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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XVI

NEW YORK, MAY 27, 1925

No. 21

MATHIESON Chemicals

TO THE SMALL USER OF BLEACHING POWDER

Small consumers of Bleach among textile mills, laundries, dairies, etc., will find the new style Mathieson 300-lb. package both convenient and economical.

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*Soda Ash
Bleaching Powder
Modified Virginia Soda
Aqua Ammonia*

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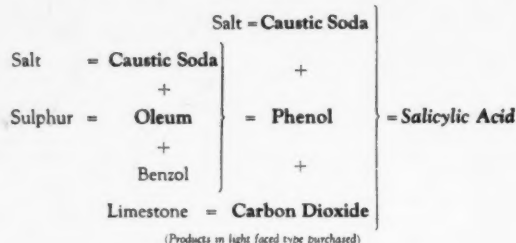
Deal Direct with the Manufacturer

In This Issue { *Significance of Recent Dye Imports
Government Marketing of Buchu*

Monsanto Salicylates

The Standard

Are manufactured from the ground up by MONSANTO. Salicylic Acid for instance, is a complete Monsanto product. All the important raw materials used in its synthesis are manufactured by Monsanto in her own works.



Monsanto Salicylic Acid is one of the market standards. It is one of the group of favorably known

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What is Practical Research

Pharmaceutical Chemicals

Some



Products include

Heavy Chemicals
Intermediates
Dyes
Aromatic Chemicals
Insecticides
Magnesium Metal

As we look at it, practical research involves the study, experiment and experience which goes to make our products and our service most useful, most dependable and most economical to those who deal with us.

Every trade has its research problems; the questions which arise in the pharmaceutical trades naturally vary from those presented by the textile, leather, or rubber manufacturer. The problems of the industrial plant or the highway engineer are still different.

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DRUG & CHEMICAL MARKETS

(Title and Style Registered in U. S. Patent Office)

Published Every Wednesday by

DRUG & CHEMICAL MARKETS, INC.

Williams Haynes, President

F. F. Burgin, Secretary

Ira P. MacNair, Vice-President

D. O. Haynes, Jr., Treasurer

Publication Office

25 SPRUCE ST., NEW YORK, U. S. A.

Telephone Beekman 6677

Cable Chemmarket

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico, \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

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The Week in Brief

News

An advisory committee from the Chemical Industry has been named by Secretary Hoover to co-operate with the Department of Commerce in developing the commercial interests of the industry.

The conference of scientists, medical men and representatives of the ethyl gas industry referred the question of the poisonous effects of the gas to Surgeon General Cumming and seven experts.

How Government marketing in South Africa brought the lowest price for buchu in fifteen years.

The business situation is discussed by Elbert Gary, chairman of the Board of the U. S. Steel Corp. A report on the consumption of coal by the industries indicates improvement and reports of commercial agencies are favorable.

April dye imports indicate a gradual increase in use of foreign dyes in the textile and other consuming industries in the United States compared with previous months, although the total is less than for March.

Markets

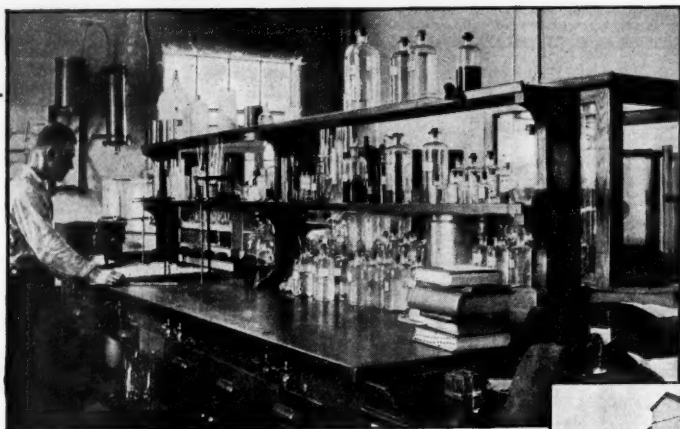
Changes in heavy chemicals are slight and the market remains quite steady. Arsenic is firmer. Acetic acid is lower. Barium salts continue weak.

Light oil distillates virtually unchanged, except 90% benzene which is stronger. Toluene and solvent naphtha are available for immediate delivery. Demand for intermediates steady but routine.

Vegetable oils remain quiet although prices are steady. Linseed oil and chinawood oil unchanged. Animal oils moving satisfactorily.

Fine chemicals show little change in price but trading is on a sound basis and is reported to be good with first hands. Codliver oil and quicksilver are much stronger.

Crude drugs have reached a point where little change takes place except where stocks have become depleted. Gums are stronger with roots, seeds and herbs showing little variation.



New uses for chemicals are constantly being developed in these laboratories

Pioneers in a new field of tremendous importance to the development of industry

THE scientists and engineers of the U. S. Industrial Chemical Co. are pioneers in the industrial development of alcohol products.

Today—as a result of their vision and enterprise—a long and varied list of industries is being served by chemicals discovered and developed in the research laboratories of this progressive organization.

But the era of usefulness of this important group of chemicals has only begun.

New discoveries and new developments are constantly bringing hitherto unknown uses of these chemicals—and even new chemicals themselves—into the limelight of industrial importance.

The U. S. Industrial Chemical Co. is more than just a large manufacturing organization with extensive and up-to-date equipment for producing highest grade chemicals efficiently and economically.

It is a pioneer whose vision and energy—backed by an experienced staff of scientists and splendid research facilities—have won for it a position of unusual significance and leadership in the development of industry.



The company's plant is not only extensive, but thoroughly up-to-date in its buildings and equipment.

Industrial Chemicals Produced by this Company

Acetic Ether	Ethyl Formate
Acetone	Ethyl Lactate
Ammonium Salts	Ethyl Oxalate
Amyl Acetate	Ethyl Phthalate
Amyl Alcohol	Ethylene
Butyl Acetate	Isobutyl Alcohol
Carbon Dioxide	Isopropyl Alcohol
Ether, Absolute	Iodine, Distilled
Ether, Anesthesia	Normal Propyl Alcohol
Ether, U. S. P.	Potash Salts
Ethyl Acetate	Potassium Iodide
Ethyl Aceto-Acetate	Refined Fusel Oil
Ethyl Alcohol, Absolute	Special Esters
Ethyl Alcohol, C. P. 96%	Tincture Iodine

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DRUG & CHEMICAL MARKETS

VOL. XVI

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BIDDING AGAINST THEMSELVES

Importers of nitrogenous material are pointing with dismay to the fact that some fertilizer manufacturers are acting panicky, sending out inquiry after inquiry and looking in all directions for possible stocks of material at low prices with an eye to call trade. As a result producers of the crude material are getting numerous cables from various dealers, many of which emanate from the same original inquiry, and which convey the impression that there is a very great demand in this country, although very few of the inquiries result in actual purchases.

The producers are boosting their prices to meet this vicarious increase in demand, having advanced prices forty cents a unit during the last two weeks. How soon will buyers learn not to bid against themselves and produce an artificial appearance of bustle and great activity? It is about time that consumers understood that they are working against themselves when they create a false impression of growing demand. If, instead of asking excitedly for immediately available material now, they would lay in their supplies gradually during the summer, they would doubtless help their own interest, and sellers, too, would be better satisfied.

FIXED PRICES FOR QUICKSILVER

The quicksilver output of the Almaden mines has been bought up for the balance of this year, according to advices from Europe. This means that no further sales for shipment from the mines can be made until January and buyers must either purchase from the interests which have taken over the metal, or turn to sellers of Italian, Mexican or American mercury. Most of the Italian output is quite closely controlled through London at the present time. This accounts for the bulk of the world's production, and whatever might be done to influence the market with American or Mexican goods could not be very far reaching.

With the completion of arrangements for delivery of Spanish quicksilver, talk of a ninety dollar market in the United States within a month or two, was heard. If the quantity of metal reported is actually tied up and demand does not completely disappear as it did in the market of a year and a half ago, ninety dollars is not an

unlikely price several months hence. With a high price, however, American buyers have shown an unusual faculty of getting along with very little quicksilver in the past. Furthermore, although apparent stocks are frequently extremely small, a high price invariably brings out odd lots of quicksilver from many quarters where none is supposed to be held.

Since the close control of Spanish quicksilver was taken out of the hands of the Rothschilds a few years ago, several successful attempts to tie-up the output of either the Spanish or Italian mines over long periods, have been made. Higher prices have followed in one or two instances, but no permanent support has been effected in any case. The general result, however, has been to keep the average of prices over a long period at higher levels than those which prevailed prior to the war. Attempts of the Spanish and Italian interests to get together on price and distribution, have not met with success thus far, but there is no saying when individual long term contracts may develop into something permanent through a common sales agent. Without question, a strictly controlled sale would rid consumers of the present uncertainties in stocks and prices, and obviate the possibility of a runaway market which might happen at any time under present conditions. Even at slightly higher prices, controlled output and fixed price have their advantages over the present hit-or-miss marketing.

THE FIGHT AGAINST WASTE

One might think that Government waste would be easier to check than industrial waste, but Secretary Hoover says that vested officials resent curtailment of their spending powers or their authority over some bureau, which it is proposed to abolish or amalgamate, and organize a successful opposition to the change. The fact that in the Government departments at Washington there are fourteen bureaus charged with public works construction located in different divisions, eight conservation bureaus, fourteen merchant marine bureaus and six educational agencies, is only secondary in the minds of most officials, even though their duties overlap and great saving would result from a consolidation of these misfits. As a matter of fact only an act of Congress can change the situation, but it is probable many extreme cases

of duplication of work could be eliminated in spite of the political influences constantly at work in Washington.

When industrial waste is brought to the attention of a board of directors little attention is given to it so long as the company is making money. Sometimes the loss of a valuable by-product is pointed out by the company's chemist and if he can demonstrate its value in dollars and prove that a market for it is near at hand, the waste is converted into a profit. Where research work is provided for as a part of the general organization, all savings are welcome and all wastes are abhorred. The Simplified Practice Department of the Bureau of Commerce has done much to demonstrate the saving in the cost of doing business by reducing the number of sizes used by companies which pack their goods in containers. No change, however, is undertaken without meeting with bitter opposition by someone, and whatever reforms are determined upon must be carried forward with courage and the fight kept up with unrelenting vigor. Waste is a hidden stream that will undermine industry as well as Government organization if not discovered and checked or diverted.

GONE TO SEED

You could hardly hope to find a more perfect example of ignorance in full bloom and of democratic ideals gone to seed than in the lecture which one William Jennings Bryan delivered in Philadelphia, last Wednesday.

After branding all scientists "dishonest scoundrels," he is reported in the daily press to have made the glorious statement: "There are only 11,000 members of the American Association for the Advancement of Science. I don't believe one in 10,000 should dictate to the rest of us."

Speaking of dictation, Mr. Bryan was at that moment defending the dismissal of a school teacher for breaking a law that forbids the students of Tennessee to learn anything about the first principles of biology. Possibly such a law is Christian moral suasion; but "The Great Commoner" could not find so ready an excuse for the prejudices of scientific tolerance. Mr. Bryan's fame rests chiefly upon a phrase that won him his first nomination. "They shall not crucify Labor upon a Cross of Gold." His infamy grows while he tries with might and main to crucify one poor but honest school teacher upon a cross of ignorance.

Dr. Michael I. Pupin, noted scientist and inventor, and president of the American Association for the Advancement of Science, has accepted an invitation from President Thomas S. Baker of the Carnegie Institute of Technology to give the Commencement Address at the Pittsburgh institution next June. Dr. Pupin, who is professor of electro-mechanics at Columbia University, and who was once a Serbian shepherd lad, is the inventor of the weighted telephone wire whereby California can talk to New England.

WHO'S WHO— in the Chemical Industry

William Shields Myers, director, Educational Bureau, Chilean Nitrate of Soda, New York. Born, Albany, N. Y., Dec. 15, 1866. Mar., Annie Tayler Lambert, New Brunswick, N. J., Sept. 11, 1889. Educat.: Albany Academy, 1881-1885; Rutgers College, (B. Sc., 1889, M. Sc., 1894), Munich, Berlin and London under Sir William Ramsay, 1890-92. Business: Asst. chemist, N. J. Experiment Station, 1888-89; chemist, Lister Chemical Works, 1892-93; instructor, prof. chemistry, Rutgers College, 1893-1901; director, Education Bureau, Chilean Nitrate of Soda since 1901. Pres. Rutgers League of N. J., author bill which organized dept. ceramics in Rutgers College, passed N. J. Legislature 1902, securing first income from State for Coll.; trustee, Rutgers Coll., 1902; Mayor of New Brunswick, N. J., 1904-06. Contributor to Chem. Society of London, Amer. Chem. Society, and technical journals on water, soils and clays of N. J.; editor monographs scientific fertilization, freights; joint author with late Prof. E. B. Voorhees of plan for systematic development of agricultural education in Mexico, accepted by government; Jury Awards. Jamestown Expn., 1907; managing committee, N. J. State Coll. of Agric. since 1920; Special Consul of Chile in U. S. since 1918. Member: University Club, Chemists' Club, Canadian, British Schools & Universities, (N. Y.), Authors Club (London), Fellow, Chem. Society of London, life member, Society Chem. Industry of Great Britain, Amer. Chemical Society, A. A. A. S., Chi Phi, Phi Beta Kappa. Hobby: Golf.

Edward Volney Peters, genl. sales mgr., New Jersey Zinc Sales Co., New York. Born, St. Louis, Mo., June 16, 1881. Educat.: Public schools, Chicago; Greenville Academy (Greenville, N. Y.). Business: In charge electrical equipment purchases, Manhattan Railway Co., 1901-03; in charge of purchases, J. G. White & Co., (N. Y.), 1903-06; with N. J. Zinc Co. since 1906 as Asst. Purchasing Agt., Genl. Purchasing Agt., Asst. Genl. Sales Mgr., Genl. Sales Mgr. since 1919. One of 15 founders of Natl. Assn. of Purchasing Agts. Member Natl. Paint Oil and Varnish Assn. (v. pres., Eastern Zone, 1923; now pres.) N. Y. Paint Club (pres., 1924).

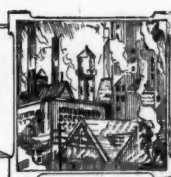
Kenneth Frank Giffiths, Jr., pres., K. F. Griffiths & Co., New York. Born Chicago, March 20, 1884. Mar., Katherine Marshall, Chicago, Feb. 20, 1914. Business: Director and Eastern Mgr., James H. Rhodes & Co., Inc. Member: N. Y. Athletic Club, Westchester Biltmore Country Club, Masonic orders.

Henry M. Toch, pres., Toch Brothers, Inc., New York. Born, New York Aug. 4 1862. Mar. Dora Magnus, New York, June 5, 1889. Educat.: College of City of New York and private tuition. Business: 44 yrs. head of the firm of Toch Bros., Inc., founded 1848 by Moses Toch, father of Henry M. Toch. For 18 yrs. chrmn., Paint & Varnish Auxiliary of the United States Hospital Fund; acted as chrmn. for paint and varnish trades in campaigns and war drives. Trustee and treas., Temple Emanu-El. Member: Merchants' Assn., National Republican Club, Grove Realty Hold. Corp. (pres.), Chemists' Club, Y. M. H. A. (hon. treas.), Harmonie Club, Century Country Club, Grove Club. Hobbies: Painting, golf and riding.



Industrial Chemical

SECTION



Imports of Dyes and Chemicals Analyzed

Value of April Colors Estimated at \$426,141, Medicinals, Photographic Developers, Intermediates and Other Coal Tar Products \$26,743, Synthetic Aromatic Chemicals \$33,543—Name of Manufacturer, Schultz Number and Quantity of Each Color Designated—Countries From Which Shipments Were made and Percentage of Imports from Each—Abbreviations of Manufacturers Names Explained.

April dye imports listed in the report compiled by the Chemical Divisions of the Department of Commerce and Tariff Commission amounted to 456,005 lbs., valued at \$426,141; medicinals, intermediates photographic developers and other coal tar products 34,213 lbs., value \$26,743; color lakes 15,660 lbs., value \$6,167; synthetic aromatic chemicals 15,020 lbs., value \$33,543.

The dyes in the following list are grouped by Schultz numbers and in the case of those which could not be identified by Schultz number, the classification according

to the ordinary method of application was adopted. As the pastes and powders of the vat dyes vary widely in strength and quantity, each vat dye has been reduced, in nearly every case, to a single strength basis, by the chemical division of the Department of Commerce and Tariff Commission.

The designation of "c" for competitive and "nc" for non-competitive, indicates the appraisement basis for the assessment of the ad valorem duty in paragraph 28 of the Tariff Act of 1922. Those dyes without designation were doubtful at the time of the collection of the statistical information in this report.

The ad valorem rate for competitive dyes is based on the American selling price, as defined in subdivision (f) of section 402 of Title IV; the ad valorem rate for non-competitive dyes is based on the United States value as defined in subdivision (d) of section 402 of the Tariff Act of 1922.

KEY TO ABBREVIATIONS

- The Six Leading German Companies
 - A....Actien Gesellschaft fur Anilin Fabrikation, Berlin, Founded 1873.
 - B....Badische Anilin-und-Soda Fabrik, Ludwigshafen on-the-Rhine. Founded 1865.
 - By....Farbenfabriken, vormals Friedr. Bayer & Co., Leverkusen on the Rhine. Founded 1862.
 - C....Leopold Cassella & Co. Frankfurt on the Main. Founded 1870.
 - K....Kalle & Co., A. G., Biebrich on the Rhine. Founded 1870.
 - M....Farbwerke, vormals Meister Lucius & Bruning, Höchst on the Main. Founded 1862.

- The Smaller German Companies
 - BK....Leipziger Anilinfabrik Beyer & Kegel, Furstenberg, near Leipzig. Founded 1882.

- GG....Chemikalienwerk Griesheim G.m.b.H., Griesheim on the Main. Founded 1882.
- CJ....Carl Jager G.m.b.H., Anilinfarbenfabrik, Duesseldorf. Founded 1823.
- GrE....Chemische Fabrik Griesheim-Electron, Offenbach on the Main. Founded 1842.

- L....Farbwerk Mulheim, vormals A. Leonhardt & Co., Mulheim on the Main. Founded 1879.

- tM....Chemische Fabriken, vormals Weiler ter Meer, Uerdingen on the Rhine. Founded 1877.

- WD....Wulfig, Dahl & Co., A. G. Barmen. Founded 1842.

- Swiss Companies, all at Basel
 - DH....Farbwerke vormals L. Durand, Huguenin & Co. Founded 1871.

- G....Anilinfarben-und Extract-Fabriken, vormals Joh. Rud. Geigy. Founded 1764.
- I....Gesellschaft fur Chemische Industrie. Founded 1885.

- S....Chemische Fabrik, vormals Sandoz & Co. Founded 1887.

- Dutch and French Companies
 - NF....Niederlandische Farben-und-Chemikalienfabrik Delft, Delft, Netherlands. Founded 1897.

- CNI....Compagnie Nationale des Matieres Colorantes et Produits Chimiques. Founded 1917.

- I.Etablissements Kuhlmann merged with this company in 1923.

FA....Farbwerk Ammersfoort, Ammersfoort, Netherlands. Founded 1888.

P....Societe Anonyme des Matieres Colorantes et Produits Chimiques St. Denis (formerly A. Poirrier). Founded 1830.

5. English Companies
Bro....Brotherton & Co. (Ltd.), City Chambers, Leeds.

BAC....British Alizarine Co. (Ltd.), Manchester.

BD....British Dyestuffs Corporation (Ltd.), London.

CI Co....The Clayton Aniline Co. (Ltd.), Clayton, Manchester.

CV....The Colne Vale Dye and Chemical Co. (Ltd.), Milnsbridge, Huddersfield.

Hol....L. B. Holliday & Co. (Ltd.), Grangemouth.

Scot....Scottish Dyes (Ltd.), Grangemouth.

The list of dyes follows:

Schultz No.	Dye and Maker	Quantity Pounds
7	Naphthol yellow S-I	66
10	Stilbene yellow GGP high conc.-B	2,000
11	Chlorazol fast orange D-BD	1,385
19	Fast light yellow 3G-By	1,627
19	Kiton fast yellow 3G-I	439
22	Supra light yellow 2GL-By	551
56	Nitrosamine red paste-B	200
118	Brilliant geranine B-By	220
140	Chromocitronine R-DH	330
175	Acid Ponceau E-G	351
194	Chicago red III-G	441
198	Mimosa Z conc.-G	5
212	Fast brown G-GrE	10
237	Cloth fast blue GTB-I	3,471
273	Blue NA-C	571
273	Developing blue 2R-A	573
273	Diaminogene blue NA-C	573
274	Black extra-C	1,000
279	Benzo fast scarlet 8BS-By	200
234	Vesuvine BLX-B	100
319	Chloramine red 3B-S	2,200
319	Diamine scarlet 3B-C	441
332	Benzo fast red 8BL-By	500
339	Diamine orange B-C	2,205
348	D-phenyl brown BBNC-G	4,201
358	Acetopurpurine 8B-A	10
358	Chloramine brilliant red 8B conc.-S	1,753
358	Chloramine red 8BS-By	637
364	Diazo brilliant black B-By	637
366	Deltapurpurine 5B-By	551
373	Congo orange R-By	531
373	Congo orange R-A	10
379	Benzo new blue 5B-By	881
392	Direct fast orange K-By	300
400	Acid anthracene red 3B-By	400
400	Brilliant milling red R-C	471
471	Chloramine blue 3G conc.-S	600
476	Cupranil brown G-I	661
494	Auramine G-I	551
503	Brilliant acid green 6B-By	2,711
503	Erioviridine B supra-G	7,937
506	Erioglaurine AP-G	200
516	Crystal violet extra pdr.-B	3,397
523	Fast green extra bluish-By	523
523	Fast acid green extra bluish-GrE	1,543
528	Kiton fast violet 10B-I	2,500
531	Eriocyanine AC-G	1,953
537	Methyl Lyons blue-G	625
537	Methyl silk blue new-G	310
539	Opal blue bluish-M	541
539	Water blue large lumps-A	200
543	Kiton pure blue V-I	441
543	Poseidon blue PCX conc.-B	300
545	Acidol blue A-tM	991
545	Brilliant acid blue A-By	1,343
546	Xylene cyanol FF extra conc.-S	200
548	Acid violet 6BN-I	441
559	Victoria blue B base-B	300
559	Victoria blue B highly conc.-B	571
562	Brilliant wool blue FFR extra-By	1,343
564	Erio green B supra-G	200
564	Naphthalene green conc.-M	2,710
565	Wool blue 5B-GrE	571
571	Rhodamine 6G conc. (s.s.)-G	571
571	Rhodamine 6G extra (s.s.)-I	19,110
571	Rhodamine 6GDN extra (s.s.)-By	573
573	Rhodamine B conc. (s.s.)-G	573
573	Rhodamine B extra (s.s.)-B	1,101
573	Rhodamine B extra (s.s.)-I	4,000
603	Acridine orange DHE-DH	500
606	Phosphine 3R-GrE	1,430
607	Runic (Rheonine) AL conc.-B	608
608	Patent phosphine GRNTN-B	608
608	Patent phosphine RDX-B	613
613	Quinoline yellow KT ex. conc.-B	500
637	Ethyl violet-B	441
637	Chromacetine blue S extra-DH	7,242
635	Modern violet-DH	441
637	Gallamine blue extra paste-G	441

Schultz No.	Dye and Maker	Quantity Pounds	Schultz No.	Dye and Maker	Quantity Pounds	Schultz No.	Dye and Maker	Quantity Pounds
644	Ultracyanine RB-S	500	863	Antraquinone blue green BKO	100	Hydron pink FF paste-C		6,132
645	Gallazine No. 90-DH	110		pdr.-B		Anthra pink R ex. paste-B		
659	Methylene blue BGX-B	100	867	Anthra brown B dbl. paste (s.s.)-B	2,522	Hydron scarlet 2B paste-C		1,661
660	Methylene green P extra-I	2,314				Vat scarlet 2B paste-C		2,678
663	New methylene blue N-C	1,800	869	Vat brown R paste-B	1,873	Hydron scarlet 3B paste-C		
663	New methylene blue N-M		869	Vat brown IR paste-M		Helindone fast scarlet B paste-M		
671	Induline scarlet-B	46	871	Vat red violet RRK paste-B	981	Hydron sky blue FK paste-C		900
672	Azo carmine CX-B	666	881	Indigo MLB/4B paste-M	1,000	Hydron yellow GG paste-C		1,550
681	Direct gray R paste-G	1,389	885	Brilliant indigo B paste-B	3,138	Hydron yellow NF paste-C		3,670
681	Malta gray J-P	661	892	Helindone green G pdr. (s.s.)-M	1,000	Vat yellow NF paste-C		
690	Diphene blue R-A	1,000	893	Alizarin indigo G paste-By	397	Hydron yellow brown GG paste-C		100
711	Thional orange G conc.-S	500	896	Alizarin indigo 3R paste-By	400	Hydron yellow olive GG paste-C		100
746	Pyrogene blue green B-I	110	896	Helindone blue 3R pdr. (s.s.)-M	115	Vat (Indanthrene) blue BCS pdr. (s.s.)-B		6,745
759	Anthraflavone GC paste-B	9,790	901	Ciba violet R paste-I	7,935	Vat (Indanthrene) brill. blue R paste-B		836
759	Anthra yellow GC paste-B		903	Thioindigo brown 3R paste-K	25			
759	Anthra yellow GC pdr. (s.s.)-B		904	Thioindigo brown G paste-K	5,400	Vat (Indanthrene) brown 3R paste-B		840
759	Helindone yellow AGC pdr. (s.s.)-M		907	Ciba scarlet G extra paste-I	3,000	Vat (Indanthrene) green G paste-B		220
759	Vat yellow GC paste-B		907	Thioindigo fast scarlet C paste-M	660	Vat (Indanthrene) orange 3R paste-B		1,323
760	Helindone golden orange 1G dbl. paste (s.s.)-M	5,516	908	Ciba red R paste-I	1,543			
760	Vat Golden orange G dbl. paste (s.s.)-B		910	Helindone pink AN paste-M	3,500	Vat (Indanthrene) pink B dbl. paste (s.s.)-B		5,660
760	Vat golden orange G dbl. paste fine (s.s.)-B		910	Helindone pink BN paste-M	1,200	Vat (Indanthrene) red 2G paste-B		497
760	Vat golden orange G pdr. (s.s.)-B		910	Thioindigo rose BN ex. paste-K	772	Thioindone olive B paste-K		25
761	Helindone golden, orange IRRT paste-M	13,644	911	Ciba orange G paste-I	1,069	Vat scarlet 3B pdr.-B		165
761	Vat golden orange RRT paste-B		912	Anthra red B paste-B	9,972	Vat yellow GP pdr.-B		1,000
761	Vat orange RRT paste-B		912	Ciba pink B paste-I		Vat yellow GT dbl. paste (s.s.)-By		112
761	Vat orange RRTS pdr. (s.s.)-L	2,091	913	Hydron orange RF paste-C		Vat yellow 12GL pdr.-GrE		224
763	Vat dark blue BOA paste-B	3,032	913	Thioindigo orange R-K				
765	Vat black BB dbl. paste (s.s.)-B	221	918	Ciba red 3B paste-I				
767	Vat violet IRR ex. paste-M	4,250	918	Ciba red 3B pdr. (s.s.)-I				
779	Alizarin VI extra pure-B	4,178	918	Helindone reddish violet IRH paste-M				
779	Alizarin orange A paste-B		918	Helindone reddish violet IRH pdr. (s.s.)-M				
779	Alizarin orange AO paste-BD		918	Thiorindigo red 3B paste-K				
780	Alizarin orange R paste-M	1,800	918	Vat red 3B paste-M				
780	Alizarin red SV pdr.-B		918	Vat red 3B pdr. (s.s.)-M	1,431			
780	Alizarin red W pdr.-By		918	Ciba bordeaux B paste-I	1,275			
784	Alizarin red SX paste-B	1,746	919	Ciba bordeaux B pdr. (s.s.)-I				
784	Alizarin red SX paste-BAC		920	Helindone violet R pdr. (s.s.)-M	25			
785	Alizarin red YCA paste-BD	2,842	920	Thioindigo violet 2B dr. (s.s.)-K				
785	Alizarin red YCA paste-BAC		923	Fur brown PR-GrE				
787	Alizarin bordeaux BP paste-By	441						
792	Cibanone orange R paste-I	6,067						
792	Cibanone orange R pdr. (s.s.)-I							
793	Cibanone blue 3G paste-I	1,542						
793	Cibanone black B pdr. (s.s.)-I	1,760						
795	Cibanone yellow R pdr. (s.s.)-I	3,528						
804	Alizarin blue S pdr.-By	2,177						
804	Alizarin blue S pdr.-By							
814	Algol yellow WF pdr. (s.s.)-By	400						
816	Algol red 2C pdr. (s.s.)-By	800						
817	Vat yellow RG paste-GrE	560						
818	Algol pink R pdr. (s.s.)-By	400						
819	Algol red FF extra paste-By	1,197						
820	Algol brilliant violet BK paste-By	397						
824	Vat orange R pdr. (s.s.)-By	880						
827	Anthra bordeaux R paste-B	214						
830	Anthra red RT paste-B	2,041						
830	Anthra red RT paste-M							
831	Anthra red RT pdr. (s.s.)-B	2,358						
831	Durandthrene red BN paste-BD							
832	Vat violet BN paste-B	1,320						
833	Helindone olive IR paste-M	3,894						
833	Vat olive IR paste-M							
833	Vat olive R paste-By							
834	Vat gray GK paste-By	798						
838	Indanthrene blue RS tr. pdr. (s.s.)-B	1,000						
840	Vat blue 3G paste-B	837						
840	Vat blue 3G paste fine-B							
842	Helindone blue IGCD pdr. (s.s.)-M	15,254						
842	Indanthrene blue GCD dbl. paste (s.s.)-B							
844	Vat blue 5G paste-B	5,271						
844	Vat blue 5G paste-By							
849	Indanthrene yellow G paste-B	8,829						
849	Indanthrene yellow G dbl. paste (s.s.)-B							
849	Vat yellow G dbl. paste (s.s.)-B							
851	Alizarin levelling blue B-C	500						
852	Alizarin blue IR pdr.-By	57						
854	Alizarin viridine FF paste-By	1,216						
855	Alizarin sky blue B pdr.-By	5,613						
858	Alizarin blue WS-By	5,563						
858	Alizarin light blue B-S							
858	Alizarin light blue B conc.-S							
858	Alizarin light blue SE conc.-S							
858	Alizarin sapphire blue B-I							
858	Alizarin saphirol WSA pdr.-By							
860	Alizarin direct fast blue BGAO-B	332						
862	Alizarin blue black B pdr.-M	4,000						
862	Alizarin blue black 3B pdr.-M							

KEENER CHEMICAL COMPETITION

Well Known Head of a Famous British Chemical House Discusses Recent Trade Trends

Competition for chemical sales in America, according to E. Brotherton-Ratcliffe, managing director of Brotherton-Ratcliffe & Co., Ltd., London, is not nearly so keen as it is in Great Britain, although there is less price emphasis abroad.

"American chemical sales," said Mr. Brotherton-Ratcliffe, to a representative of "Drug & Chemical Markets," "are easy, so far as I have observed, compared with the competition which meets us at every turn in Great Britain. There are, however, certain fundamental differences in the market situation in the States and at home. In England, we do not have the overproduction which you have in this country, but we have a much more geographical compact sales area and a much better organized chemical distributing trade with the result that the purchases are worked much more intensively than here. Because we are not so overproduced, sales competition is less upon a "cut throat price basis" than in this country and there is a much stronger tendency to get a fair sales profit on any business that is done.

Mr. Brotherton-Ratcliffe is here for a six weeks business visit and expects to return to England about June 1st.

BUSINESS BAROMETER READ IN COAL

Improvement Seen In Special Report to National Association of Purchasing Agents

(Special to DRUG & CHEMICAL MARKETS)

Milwaukee, Wis., May 27.—In an address before the National Association of Purchasing Agents, Raymond B. Brown said in part: "Any experienced salesman will tell you that he has little hope of doing much business in a town where smoke stacks are smokeless. Any intelligent business man can tell about how much business, normally may be expected if he knows how much coal other business men are consuming. He can tell what others think of business prospects by the amount of coal they are carrying on hand."

The association's report prepared by Mark Kuehn, of the Fuel Committee shows that daily consumption in industry in April was greater than in March, although March showed a slightly larger total consumption on account of its being a thirty-one day month.

Stocks of coal on hand in industry are estimated at 42,598,000 net tons on May 1, 1925. This is sufficient coal to take care of industrial requirements for a period of 37 days at the rate coal was used in April. About 42% of firms reporting showed an increased consumption, 36% used less than in March and 22% used about the same amount of coal.

Production of beehive coke dropped to a new low level of 806,000 tons, a decline of nearly 20% in comparison with March and the smallest output since last November. The total production of coke in April is estimated at 4,122,000 tons according to U. S. Geological Survey figures.

JUDGE GARY NOT PESSIMISTIC

Elbert H. Gary, chairman of the Board of the U. S. Steel Corp., speaking at the dinner of the Iron and Steel Institute on May 22, at the Hotel Commodore, New York, said he felt no reason to be pessimistic. The natural resources of the country and the cash resources, taken with improving conditions in other respects, he said, forecast prosperity and better business.

NAMES CHEMICAL ADVISORY COMMITTEE

Secretary Hoover Discusses Methanol, Leuna Salpetre and Chemical Patents With The Members—Leaders in the Chemical Industry to be Invited to a Conference.

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., May 27.—An Advisory Committee from the Chemical Industry has been named by Secretary Hoover to co-operate with the Department of Commerce in developing the commercial interests of the chemical industry. Among the members of the Committee are:

A. Crissy Morrison, Union Carbon & Carbide Co., chairman; Dr. H. E. Howe, editor of the "Journal of Industrial and Engineering Chemistry," secretary; Dr. Charles H. Herty, president of the Organic Chemical Manufacturers Association; Dr. A. S. Burdick, Chicago, representing drug manufacturers; Henry E. Howard, Grasselli Chemical Co., representing the heavy chemical industry; Gustavus Ober, Jr., Baltimore; Ernest T. Trigg, Philadelphia, paint and varnish manufacturers; Dr. Leo Baekland, New York, S. W. Wilder, Boston.

At a recent meeting in Washington the Committee discussed the dumping of methanol by the Germans, Leuna Salpetre, the synthetic fertilizer being shipped into the United States by Germany, and the possibilities of legislation along the lines of the proposed Stanley bill to make it obligatory upon inventors of chemical processes to work their patents within two years from the time granted or be required to grant licenses to manufacturers.

In addition to the members of the Committee C. C. Concannon, chief of the Chemical Division, T. W. Delahanty, assistant chief, and Messrs. Wizeman and Priest, members of the Chemical Division, were present at the meeting. Mr. Concannon outlined the need for such a Committee and the obligation which it would assume.

Mr. Howard suggested that invitations be extended to the heads of the chemical industry to attend a meeting in Washington at which a full understanding of the value of the Chemical Division might be laid before the industry and at which other matters of interest to American manufacturers might be developed. Dr. Herty moved that it be recommended to Secretary Hoover that detailed monthly statistical information as to imports of all chemicals be published for the benefit of the industry.

Producers of sulfuric acid in Baltimore report that they are very busy and are running at capacity on acid phosphate, though the shipping season for mixtures is about over and the trade is approaching the usual summer dullness. Makers of acid phosphates say they have orders in hand to keep them going for months, and the outlook is regarded as very encouraging.

Herbert G. Sidebottom, of Jayne & Sidebottom, manufacturers agents, 17 Battery Place, New York, has resigned, effective June 1. Mr. Sidebottom is not ready to announce his future plans.

A. L. Diehm general manager of the German Potash Syndicate, and Arnold Reichberg, a leading industrialist, are on their way to the United States to negotiate credits here.

Salmon W. Wilder, president of the Merrimac Chemical Works, Boston, who is at present in Europe, will return to the United States the latter part of May.

GERMANS WINNING ARGENTINE DYE TRADE

The Argentine Republic dye market which was dominated by Germany prior to the war and then by the United States during the war is now being regained to considerable extent by Germany, according to Charles C. Concannon, chief of the Chemical Division of the Department of Commerce. During 1922 Argentina imported 473,464 kilos of dyestuffs of which Germany supplied 350,922 kilos; United States 80,614 kilos; and Switzerland 17,599 kilos. During 1923 the imports totaled 522,209 kilos.

Competition is very keen and it is necessary to keep stocks on hand since service is a large factor in obtaining business. The usual method of distributing is through a main house in Buenos Aires for the River Plate dis-

trict and then through branches or agencies in the more important centers of the district.

Manufacturers entering the market cannot expect immediate returns, but must look to the future owing to the sharp competition. The market should be investigated by a field representative in order that the proper agents can be found. Some houses in Buenos Aires try to obtain agencies for American products simply to prevent competition with a competitive line.

Sandoz Chemical Works are distributing a new card to the trade illustrating Xylene Milling Colors dyed on wool yarn and gloria. These colors are quite fast to light and salt water.

APRIL DYE IMPORTS

(Continued from page 1554)

Dye and Maker	Quantity Pounds	Co. or Lakes of Coal Tar Origin		Quantity Pounds	Name of Chemical	Quantity Pounds
		Name of Lake				
Diazo brilliant orange 5 G ex.—By ..	800	Azorian lake R L S	400	Phenylethyl acetate, S-83%—F-17% ..	60	
Diazo brown G—By ..	200	Azure blue pdr.	1,250	Phenylethyl alcohol, F-55%—G-18%—H-9% ..	1,102	
Diazo fast black S D—By ..	100	Blue lake pdr.	220	Phenylethyl propionate, H-100% ..	3	
Diazo fast yellow 2 G—By ..	1,040	Brilliant lake P B pdr.	220	Phenylol residue, S-100% ..	5	
Diazo indigo blue 4 G L ex.—By ..	117	Madder lake 79 extra ..	500	Skatol, H-100% ..	18	
Diazo sky blue B—By ..	25	Madder lake V N 14 pdr.	800	Vanillin, F-100% ..	5	
Diazo sky blue 3 G L—By ..	105	Madder lake Z pdr.	25	All others, S-100% ..	5	
Diphenyl fast gray B C—G ..	550	Madder red pdr.	602			
Direct brilliant violet B pdr.—By ..	220	Permanent yellow G pdr.	50			
Direct brilliant violet 2 R pdr.—By ..	790	Phloxine lake I B pdr.	502			
Direct brilliant fast violet B L—By ..	405	Printing red ..	10,141			
Direct fast heliotrope 2 R L—By ..	441	Violet K pdr.	100			
Duranol blue G paste—BD ..	320	Viridine H pdr.	850			
Duranol red G paste—BD ..	344					
Fast cotton red 8 B L—A ..	500					
Pyrazol fast brown B—S ..	506					
Pyrazol orange G conc.—S ..	4,001					
Rosaniline R N—I ..	1,102					
Rosaniline fast red 7 B L—I ..	41					
Triazol pure green B pdr.—GrE ..	28					
Zambesi black D—GrE ..	509					
Zambesi black F—A ..	200					
Dyes for Artificial Silk						
Azonine direct violet R conc.—C ..	100					
Cellit fast blue R—By ..	10					
Cellit fast brown G—By ..	10					
Cellit fast orange G—By ..	10					
Cellit fast red B—By ..	10					
Cellit fast rubine B—By ..	10					
Cellit fast violet 2 R—By ..	10					
Cellit fast yellow 2 G N R—By ..	20					
S R A blue IV—Q ..	900					
S R A red I—Q ..	615					
S R A red III—Q ..	900					
Rapid Fast Dyes						
Rapid fast blue B—GrE ..	76					
Rapid fast bordeaux F—GrE ..	56					
Rapid fast brown B—GrE ..	20					
Rapid fast orange B G—GrE ..	56					
Rapid fast pink L B, L G—GrE ..	112					
Rapid fast red B, G L, G—GrE ..	168					
Rapidogen G paste—GrE ..	224					
Basic Dyes						
Diamond phosphine R—C ..	1,000					
Patent phosphine M—I ..	1,102					
Sulfur Dyes						
Cross dye green 2 G conc.—BD ..	4,224					
Katigene indigo C L G—By ..	474					
Katigene indigo C L 5 G—By ..	10					
Pyrogene green G K—I ..	1,102					
Sulphide violet V—M ..	500					
Sulphur yellow G extra—A ..	2,240					
Thionol brown O—BD ..	6,720					
Thionol brown R—BD ..	2,000					
Color-Lake Dyes						
Hansa yellow G paste—M ..	1,000					
Hansa yellow G pdr.—M ..	1,000					
Hansa yellow 5 G pdr.—M ..	849					
Helio bordeaux B L paste—By ..	596					
Helio bordeaux B L pdr.—By ..	15					
Helio fast carmine C L pdr.—By ..	100					
Helio fast rubine L B K pdr.—By ..	100					
Helio fast yellow H 5 G pdr.—By ..	50					
Helio fast yellow H 10 G pdr.—By ..	441					
Paper fast bordeaux B—By ..	200					
Stone fast yellow G lumps—B ..	500					
Stone fast yellow G N lumps—B ..	55					
Unclassified Dyes						
Setacyl brilliant pink G—G ..	3					
All other dyes—Q ..						

SYNTHETIC AROMATIC CHEMICALS OF COAL-TAR ORIGIN

Abbreviations used in this table are G for Germany, E for England, S for Switzerland, I for Italy, C for Canada, B for Belgium, H for Holland, F for France.

Name of Chemical	Quantity Pounds	Name of Chemical	Quantity Pounds
Acetophenone, H-98%—G-2% ..	51	Antipyrine, E-100% ..	2,576
Acetyl butylxylene S-100% ..	5	Basilit, G-100% ..	1,000
Anil salicylate H-96%—S-3%—G-1% ..	157	Chinolor tablets, G-100% ..	55
Anupine (Anisic aldehyde) G-100% ..	2	Cresylic acid, E-100% ..	452
Benzaldehyde G-100% ..	573	p-chlorophenol ..	100
Benzyl acetate G-59%—F-32%—H-9% ..	2,167	Developer P Z-G-100% ..	224
Benzyl alcohol S-61%—H-28%—G-21% ..	157	Dialacetin tablets, S-100% ..	38
Benzyl benzoate G-77%—H-23%—F-1% ..	1,896	Dinol, E-100% ..	11
Benzyl propionate H-100% ..	51	Diphenylamine, G-100% ..	1,000
Benzyl salicylate H-88%—S-12% ..	42	Dissolving salt, B-G-100% ..	(105 cc)
Benzylidene acetone G-91%—H-9% ..	55	Epinine, E-100% ..	200
Bromstyrol G-100% ..	2	Fast black L B base, G-100% ..	66
Butylxylene residue S-100% ..	5	Fast red B base, G-100% ..	56
Cinnamic acid ethyl ester G-100% ..	573	Fast red R L base, G-100% ..	36
Cinnamic aldehyde H-84%—S-8%—G-8% ..	2,167	Fast scarlet salt G, G-100% ..	448
Coumarin extra A—F-100% ..	89	Fast scarlet R C base, G-100% ..	500
Diethyl phthalate S-100% ..	84	Gas intensifier, C-100% ..	300
Diphenyloxide F-99%—G-1% ..	89	Glycin, G-100% ..	100
Ethylbutylphenate residue S-100% ..	26	Guaicol carbonate, C-68%—H-32% ..	689
Ethyl cinnamate G-91%—S-9% ..	85	Homatropine hydrobromide, E-100% ..	100
Ethylphenyl acetate F-100% ..	154	Homatropine hydrochloride, E-100% ..	1,000
Gardenal H-100% ..	113	Hydroquinone, G-100% ..	224
Heliotropine H-88%—C-12% ..	26	h-Hydroxynaphthoic acid, G-100% ..	5
Heliotropine extra A—F-100% ..	55	Hydroxyphenylethylamine, G-100% ..	1
Hyacinth H-100% ..	33	Imidazolethylamine, G-100% ..	3
Indol F-57%—S-29%—H-14% ..	25	Iodide & salicylate, F-100% ..	1,420
Isobutyl phenylacetate S-100% ..	23	Katanol O W, G-100% ..	8,338
Methyl acetophenone F-67%—S-30%—G-3% ..	558	Lonodin, G-100% ..	11
Methyl antranilate S-54%—F-32%—H-14% ..	3,783	Mercury-chlorophenol-barbituric acid, G-100% ..	100
Methyl cinnamate G-100% ..	552	Methyl-isopropyl-cyclohexanone, G-100% ..	11
Methyl methylantranilate S-96%—G-4% ..	32	Methyl-p-aminophenol, G-100% ..	300
p-methyltetrahydroquinoline S-100% ..	2	Mitigal, G-100% ..	176
Methylphenyl acetate F-69%—S-31% ..	25	Monomethyl-p-aminophenol sulfate, F-100% ..	224
Methyl salicylate, G-100% ..	23	Monosulphonic acid, F, G-100% ..	500
Musk ambrette, S-73%—G-23%—H-4% ..	552	a-Naphthol, G-100% ..	2,000
Musk ambrette residue S-100% ..	1,500	b-Naphthol compound, E-100% ..	220
Musk ketone S-63%—F-35%—H-2% ..	475	Naphthol A, S, G-100% ..	224
Musk xylene H-49%—S-40%—G-11% ..	3,783	Naphthol A, S, B, G-100% ..	336
Musk xylene residue S-100% ..	552	Naphthol A, S, B, R, G-100% ..	200
Neroline (h-naphthol ether), H-42%—S-39%—F-19% ..	260	Naphthol A, S, S, W, G-100% ..	10
Oleo musk, H-100% ..	660	Neocaine, F-100% ..	300
Peru balsam crystals G-100% ..	2	Phenylcinchoninic allyl ester, S-100% ..	165
Phenylacetic aldehyde, H-50%—G-42%—E-8% ..	121	p-Phenylendiamine base, G-100% ..	500
		Phenylhydrazine hydrochloride, G-100% ..	45
		Phystogimine salicylate, E-100% ..	1
		Pyramidon tablets ..	7.07
		R salt powder, G-100% ..	6.563
		Resorcinol, F-85%—G-15% ..	1
		Saccharin, I-100% ..	475
		Seraph, F-100% ..	26
		Sodium iodide and guaiacol, I-100% ..	231
		Sodium salicylate, F-100% ..	231
		Sodium salicylate & potassium bicarbonate, E-100% ..	441
		Sulfarsenal, F-100% ..	881
		Tetrachlorophthalic acid, F-100% ..	
		Yellow developer C, S-100% ..	

JAPAN MAY SUE FERTILIZER TRUST

(Special Correspondence to DRUG & CHEMICAL MARKETS)

..Tokyo, Japan, May 2.—Recently the Imperial Agriculture Association made a representation to the Department of Agriculture (Forestry Bureau) with regard to the merger effected in the superphosphate fertilizer mills, emphasising the need of intervention on the part of the authorities, the mills having united to advance prices.

The Japan Artificial Fertilizer Co., has fixed the amount of Ankhor phosphatic ores to be imported into this country during the present fiscal year at 65,000 tons. This amount was divided pro rata among various companies. Artificial fertilizer importation into Japan during February totaled 832,902 tons, an increase of 6,389 tons over January. The entire value totaled yen 18,926,058, an increase of 832,902 yen, over January.

The recovery in the yen and advices from the United States have again brought a reaction of about 7 yen in the price of sulfate of ammonia against the high level of a short while ago. The Japanese product is obtainable at 185 yen and Continental white to arrive at 175 yen.

SICILIAN SULFUR TRADE REVIVES

The production of Sicilian sulfur in 1924 amounted to 223,577 tons compared with 206,238 tons in 1923. Exports in 1924 amounted to 312,079 tons against 217,172 tons in 1923. The excess of exports over the amount produced was due to the large stocks that were left from the production of 1923. Such stocks on Dec. 31, 1923, amounted to 245,201 tons, while on Dec. 31, 1924, the stocks were only 171,701 tons. This is almost 100,000 tons less than the stocks which remained at the end of 1922. Nevertheless, since exports are limited under the agreement between the Sicilian consortium and the larger American producers, the consortium has temporarily suspended sales of raw sulfur for exportation. The agreement has resulted in higher prices, so that a minimum of 90 shillings per ton avoirdupois is now charged, writes Consul Edward I. Nathan, Palermo.

Fertilizer imports at Charleston, S. C., reached a total of 266,159 tons, value at \$7,963,780 in 1924. Sodium nitrate imports were 75 per cent of this amount, 142,001 tons valued at \$5,962,151. Tonnages and values of other products included in the total are calcium nitrate, 5 tons, value \$250; guano, 6,884 tons, value \$239,486; nitrogenous material, 4,396 tons, value \$153,726; bone phosphates, 758 tons, value \$31,016; crude phosphates, 5,500 tons, value \$44,780; muriate of potash, 11,511 tons, value \$358,884; sulfate of potash, 3,938 tons, value \$164,891; kainit, 34,383 tons value \$301,931; dried blood, 750 tons, value \$44,564; tankage 2,014 tons, value \$46,161; other fertilizers, 10,761 tons, value \$104,569.

The Government department of supplies and accounts has received bids for 13,000 lbs. calcium chloride from the following: H. H. Bercow & Co. Inc., 17½c lb.; Henry Bower Chemical Co. Inc., 23c lb.; Charles Cooper & Co., 23½c lb.; James Good, Inc., 1.95c; H. F. Griffiths & Co., Inc., 1.85c lb.; Maryland Chemical Co., 1.83c lb.; Saginaw Chemical Co., \$1.80 100 lb.; E. M. Sergeant Co., 2.05c lb.; Shipley Constn & Supply Co., \$1.70 100 lb., and Wing & Evans Inc., \$1.61 100 lb.

John Hawkins Patterson, president of Miller Fertilizer Co., Baltimore, died at his home in Roland Park, that city, on May 15. He held membership in the Maryland Club and the Baltimore Country Club.

COMMITTEE TO PASS ON ETHYL GAS

Conference of Scientists, Public Health Officials and Representatives of the Industry Refer Question of Fatal Effects of Gas to Surgeon General Cumming and Seven Experts—About 300,000,000 Gallons Has Been Distributed and Used In 28 States

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., May 27.—The conference of scientists, public health officials and representatives of the ethyl gas industry, held to determine whether public health would be endangered by the general use of tetraethyl lead to increase the power of gasoline, voted unanimously to place the question in the hands of Surgeon General Cumming of the Public Health Service and a committee of seven experts.

Representatives of the industry and experimenters insisted that, while 11 persons had died and 149 suffered serious illness in the manufacture of the tetraethyl lead, the processes were now so well safeguarded that the hazard had been diminished to a very small one.

Representatives of the Ethyl Gasoline Corporation said that 300,000,000 gallons of the ethyl gasoline had been distributed and used in twenty-eight States and that exhaustive inquiry had failed to reveal a single person who suffered from lead poisoning as a result of this contact.

Reports of scientific investigations of the effects of tetraethyl lead at Columbia, the University of Cincinnati, and the Bureau of Mines showed that animals were poisoned by the substance in varying degrees according to the amount of exposure to the poison, but the reports were not decisive on the question whether the public in general or the garage workers in particular would be subjected to a severe health hazard by the use of the treated gasoline.

Commander Eugene E. Wilson, of the Bureau of Aeronautics, said the Navy had experienced no ill effect by the use of treated gasoline.

CHANCE FOR CHEMICAL ENGINEERS

Chemical engineers who have been out of college for some years and who feel the need to brush up on their fundamentals of chemical engineering methods, will be given the opportunity this year at the Chemical Exposition. A special course in chemical engineering which will be given in conjunction with the Exposition, will be divided into two groups: Section One for college students, and Section Two for advanced students, graduate students and engineers of industry who are desirous of reviewing their work. Lectures will be given by leading authorities in the various fields and will cover fundamentals and advanced work in engineering. Prof. W. T. Read of Yale University will have charge of the complete courses. Lectures will be held in the Grand Central Palace and tours of the Exposition for demonstrations will be conducted after the lectures. Entries for the course should be filed with the management, Chemical Exposition, Room 1102, Grand Central Palace, New York. The course is without charge.

The world's consumption of nitrate of soda for the period from July, 1924, to July, 1925, is estimated at 2,400,000 tons against 2,190,000 tons during the same period last year. A total of 539,000 tons has been sold for June-July shipment at prices to be determined later, which method of selling is believed to have obviated a great deal of operation by speculators detrimental to genuine shippers.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals pages 1578-1603

SODIUM PRUSSATE ADVANCES TO 10½¢ lb.

Foreign Market Firm and Spot Stocks Small—Acetic Acid Cut Following Reduction in Acetate of Lime—Bleach and Chlorine Firm—Copper Sulfate Steady—Sodium Nitrate Down Again—Lead Acetate Easy at Reduction—Zinc Chloride Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Sodium Prussate, ¾¢ lb.

Declined

Acid Acetic, 12c to 69¢ 100 lb. Sodium Nitrate, 5c 100 lb.
Zinc Chloride, ¾¢ lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial ....lb.\$	.10	.11	.11	.11	.19½	.07
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	14.00	35.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	2.70	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.90	9.50	1.80
Copper Sulfate, c/1 100lbs.	4.65	4.65	4.65	4.70	20.00	4.50
Potash, Caustic, Imp...lb.	.07¼	.07¼	.07¼	.06¼	.27	.08
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate..lb.	.08¼	.08¼	.08¼	.08¼	.65	.06¼
Sodium Prussate, Imp...	.10½	.10¼	.09¼	.09¼	1.25	.18

Average 2.926 2.927 2.926 2.927 10.79 2.99

A further advance and a very firm market in sodium prussate featured the heavy chemical market over the week. The foreign market is very firm and one large producer abroad is reported to have discontinued manufacture. Acetic acid has been reduced following the recent reduction in acetate of lime. Zinc chloride is easier on spot owing to importations accumulating in importers hands and prices have been shaded. The general list of chemicals is quite firm although advances are few. A slight decline in contract withdrawals has been noticed by domestic makers during the last two weeks. Agricultural chemicals are quiet and sodium nitrate has been cut again owing to large stocks and slight demand. Copper sulfate is easy although prices are being maintained in all quarters. Arsenic is easy but firm and a fair demand is reported.

Acetone—Steady movement of supplies reported at last week's advance to 12c lb. in tanks or in carlots of large drums.

Acid Acetic—Makers announce a reduction following the recent reduction in acetate of lime. Carlot quotations are named at \$3.00 100 lb. for 28%; \$5.60 for 56%; \$6.89 for 70%; \$7.73 for 80%; and \$10.57 for glacial.

Acid Nitric—Firm condition reported by makers and prices show no change in any quarter.

Acid Oxalic—Market continues in firm condition and prices are unchanged from all holders.

Acid Sulfuric—Steady movement of supplies reported at unchanged prices.

Alum Potash—Fair request reported and prices have shown no variation.

Ammonium Chloride—Domestic producers name firm unchanged prices and report a steady condition.

INDUSTRIAL CHEMICAL SECTION

Imported material is still in a stagnant condition and prices remain at recent low figures.

Arsenic—Steady situation prevailed over the week and offerings are quite generally quoted at 5c @ 5¼¢ lb. No very large lots are to be found in the market. Shipments from Japan are firm at \$4.65 100 lb.

Barium Salts—Weak condition continues in the chloride market and large crystals are available at \$60.-00 @ \$62.00 ton from importers. Carbonate is also weak and shipment is offered at \$48.00 ton with spot material at slightly higher figures. Nitrate is unchanged.

Bleaches—Firm situation continues to be reported in bleach and prices are being maintained at \$1.90 for carlots of large drums at works on contract for both domestic and imported products. Chlorine holding in a firm condition and no accumulation of supplies is reported.

Calcium Chloride—Domestic makers report a satisfactory seasonal demand. Importers also moving large amounts of material.

Copper Carbonate—Prices are unchanged for both imported and domestic material.

Copper Sulfate—Steady situation reported and quotations from makers are unchanged at \$4.50 @ \$4.60 100 lb. Carlots are obtainable in some quarters at \$4.40 100 lb.

Epsom Salts—Domestic technical material named at unchanged prices and a firm condition exists. Imported material is changing hands at recent low prices.

Glauber's Salt—Domestic makers report a very firm market owing to a heavy movement of supplies on contracts. Imported material is in a firm condition at recent advance.

Lead Acetate—Market steady at last week's advance although the volume moving has not increased appreciably.

Potash Caustic—Unchanged situation reported in this material and importers and domestic makers report a steady request at firm prices.

Potassium Bichromate—Makers report a steady request from all consuming quarters and quote prices at unchanged figures.

Potassium Prussate—Imported and domestic yellow products are firmly quoted at unchanged prices of 18½¢ @ 19c lb. and stocks are not of large proportions.

Soda Ash—Manufacturers are reporting only the usual seasonal decline in contract withdrawals and report a very firm situation.

Soda Caustic—Contract prices are being strictly adhered to in all transactions and a satisfactory demand is reported.

Sodium Bichromate—Firm condition reported by makers and also in resale quarters. Prices remain unchanged.

Sodium Nitrate—Still lower quotations named for spot material at \$2.55 100 lb. owing to a continuance of the slight demand and large stocks. June shipment is also quoted lower at \$2.52½.

Sodium Prussate—Firm and higher on spot owing to decreased production abroad caused by the discontin-

uance of production by a foreign maker. Stocks on hand are small and held by a few strong hands. Quotations are named in all quarters at $10\frac{1}{2}c$ @ $10\frac{3}{4}c$ lb.

Sodium Sulfide—Situation unchanged with available offerings quoted at the same prices and not very much to be had.

Tin Crystals—Makers report a steady movement to consumers at recent prices of $38\frac{1}{2}c$ lb. in barrels, and $39c$ lb. in kegs.

Zinc Chloride—Easier situation prevails on spot and material is offered at lower prices of $7\frac{1}{2}c$ @ $7\frac{3}{4}c$ lb. Some goods have changed hands at $7\frac{1}{4}c$ lb.

Negotiations between the Harriman interests and the Soviet Government for the Chiaura manganese concession in the Republic of Georgia have been temporarily interrupted, because the concessionaires object to the condition that \$4,000,000 must be paid at the date of signing the agreement.

Globe Chemical Co., Boston, on Dec. 31 showed surplus of \$18,394. Its accounts receivable were \$12,752, cash \$8,340, merchandise \$2,563 and securities \$14,060. Accounts payable were \$2,076. The statement values formulas at \$159,527.

Herr Von Eckardt, chief German delegate to the Arms Traffic conference in Paris announced that his Government is ready to adhere without reservation to any international agreement providing for elimination of chemical warfare.

Metals Disintegrating Co. has received a contract from the Bureau of Supplies and Accounts, Washington, for 5,700 pounds of flake aluminum at \$2,701.80, and Superfos Co. for 3,000 pounds of potassium nitrate at \$195.

Applications for the position of assistant chemist (metallurgy) in the Ordnance Department, Navy yard, Washington, D. C., must be filed with the U. S. Civil Service Commission by June 15. The salary is \$6.40 per day.

Franco-American Precious Metals Co. has awarded a contract to William C. Phelps Co., Newark, N. J., for a plant on Mulberry st., consisting of three buildings, with main structure two-story, 35 x 150 ft.

Carl Reifenberg, formerly in the chemical brokerage business with his brother under the name of E. E. Reifenberg and Bro. died at his home, 22 East 89 st., New York, last Wednesday, from apoplexy.

Wing and Evans have been awarded a contract by the Bureau of Supplies and Accounts, Navy Department, for furnishing 13,000 pounds of calcium chloride at \$209.30.

Continental Development and Reduction Co. has purchased the potash-soda plant of Chemical Refining Co., Keeler, Cal., and is converting it into an ore leaching mill.

Thos. K. Stewart & Co., New York dealers in fertilizer raw materials have moved from room 820, 90 West st. to room 1007 in the same building.

John A. Stevens, who retired as vice-president of the National Lead Co. about ten years ago, died at his home in Brooklyn, May 18.

The Synthetic Organic Chemical Manufacturers Association will hold the Summer outing at Belleport, L. I., June 18 to 20.

L. H. Butcher Co., San Francisco, has been awarded a government contract for 1,200 lbs. anhydrous ammonia at $34c$ lb.

ESTIMATE SULFURIC ACID OUTPUT IN 1924

Production of sulfuric acid by fertilizer manufacturers during the last half of 1924 totalled 779,370 tons and consumption 895,915 tons in the manufacture of 1,666,303 tons of acid phosphates containing 28,027,002 units (of 20 lbs.) of available phosphoric acid, according to the Department of Commerce. Fertilizer manufacturers produced 87% of the acid that they consumed. Acid phosphates sold as such amounted to 548,213 tons, containing 9,066,369 units of available phosphoric acid; and 261,121 tons, containing 4,369,298 units, were consumed in the manufacture of other fertilizers.

The report is based on figures obtained from 169 makers of whom 112 are located in the south. Increases of 3.5% in the production of acid phosphates and .3% in the sales of acid phosphates over the last half of 1923 are reported. Decreases of 4.3% in stocks of sulfuric acid on hand at the end of the year, and 5% in stocks of acid phosphates, compared with 1923, are also reported.

Comparable figures for 1922, 1923, 1924 are: Consumption of sulfuric acid for the manufacture of fertilizers, was 1,589,809 tons in 1922; about 1,820,278 tons in 1923; and 1,782,816 tons in 1924. Acid phosphate production was 2,788,207 tons in 1922; about 367,220 tons in 1923; and 3,250,498 tons in 1924. Sales of acid phosphate were 3,062,663 tons in 1922; about 3,037,393 tons in 1923, and 3,381,202 tons in 1924.

National Industrial Conference Board, New York, has announced a gain in membership by the election of the following members-at-large for two years at a recent meeting: A. C. Bedford, chairman Standard Oil Co. of New Jersey; Charles F. Brooker, chairman American Brass Co.; W. L. Clause, chairman Pittsburgh Plate Glass Co.; Philip D. Dodge, chairman International Paper Co.; Irene du Pont, pres. E. I. du Pont de Nemours & Co.; Eugene G. Grace, president Bethlehem Steel Corp.; Dr. William H. Nichols, chairman Allied Chemical & Dye Corp.

The Association of British Chemical Manufacturers have prepared as their official directory for 1925 a work of reference under the title of "British Chemicals: their Manufacturers and Uses. 1925," comprising a list of the British chemicals, their industrial application and the leading manufacturers. A special appendix gives the principal trade and proprietary names in current use in the chemical industry. The book is printed and indexed in six languages and is published by Messrs, Ernest Benn Limited, London.

Mathieson Alkali Works, 250 Park ave., New York, has appointed A. P. Miller Supply Co., 441-443 W. 16th st., New York, as authorized local distributor of "Eagle Thistle" anhydrous ammonia in the Metropolitan district. The Miller Supply Co.'s telephone numbers are Watkins 3967-3968.

American Agricultural Chemical Corp. has notified holders of 5 per cent convertible gold 5s of 1928 that these bonds will be purchased at $102\frac{1}{2}$, although they are callable at 103 and interest. There are \$5,481,000 outstanding.

Roessler and Hasslacher Chemical Co. has been awarded a contract by the Bureau of Supplies and Accounts, Navy Department, for furnishing 42,000 pounds of barium nitrate at \$3,097.50.

International Wood Products Co. is the new name of K. & L. Box and Lumber Co., York county, ill.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals pages 1578-1603

STRONGER POSITION FOR 90% BENZENE

Scarcity of Supplies in Many Quarters—Pure Still Easy—Toluene and Solvent Naphtha Freely Offered—Pyridine Holding Firm—Naphthalene Quiet—Intermediate prices Firm, Although Demand is Slight.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Benzene, 90% 1c gal.

Declined

No declines.

	Trend of the Market			Last Year	War Peak	Pre-War
	Today	Last Week	Last Month			
Benzene, pure	gal. \$.23	\$.23	\$.24	\$.25	\$ 1.10	\$.25
Naphthalene, flake	lb. .05	.05	.06	.06	.16	.03
Phenol Spot	gal. .24	.24	.24	.29	1.50	.08
Toluene	gal. .26	.26	.26	.26	..	..
Aniline Oil	lb. .16	.16	.16	.16	1.40	1.04
Alpha-naphthylamine ..	lb. .35	.35	.35	.35	1.28	..
Benzaldehyde	lb. .70	.70	.70	.73	..	..
Betanaphthol	lb. .24	.24	.24	.26	1.50	.08
Dimethylaniline	lb. .33	.33	.33	.36	1.30	..
Paranitroaniline	lb. .58	.60	.60	.70	1.58	.18
Average .....	.314	.316	.316	0.344	...	...

Positions of the light oil distillates with the exception of 90% benzene remained practically unchanged over the week and factors for the most part were reporting an easy condition. The industrial demand for the various oils has shown no recovery from its recent decline. Supplies of 90% benzol are not accumulating in any direction and the market is quite strong. Toluene and solvent naphtha are offered for immediate delivery by many distributors although supplies on hand are not great enough at present to cause any weakness in the market. Cresylic acid remains firm. Naphthalene has not registered any improvement and factors are beginning to be doubtful about the future of the market. Phenol is easy, but makers are holding firm.

Intermediates have not changed in any quarter, although a slight movement of supplies continues to be reported by manufacturers. Apparently makers for the time being have decided to hold prices firm. They feel there is no inducement to cut them since there is no large consumption in sight.

Crudes

Benzene—Distributors are reporting a strong position on 90% material and in many quarters a scarcity of supplies is reported. Prices are firm in all directions at 22c gal. in tanks at works, and 27c in drums. Pure is easy and although several large distributors are holding firm at 24c gal. in tanks, and 29c in drums, supplies are still available at 23c gal. in tanks, and 28c in drums.

Cresylic Acid—Market remains firm due to the great bulk of spot supplies being in strong hands and the market being fairly well cleaned up of distressed lots. Quotations on 97-99% pale remain at 64c gal.; and 95% dark is named at 62c gal. Pale acid remains at 63c gal. for shipment.

Naphthalene—Demand continues light and supplies are large. Manufacturers still control the situation and

quote unchanged prices. With the present condition continuing the future of the market is thought to be doubtful.

Phenol—Prices firm from manufacturers although the volume moving is slightly lower.

Pyridine—Market holds very firm and spot goods are not offered in any quarter under \$4.35 @ \$4.40 gal. drums included. Spot stocks are not large and are in a few hands. Shipment from abroad is offered at \$4.20 @ \$4.30 gal.

Solvent Naphtha—Market quite easy and supplies are available for immediate delivery. Prices are firm in all quarters although it is not unlikely that shading will be possible if the accumulation of supplies becomes much greater.

Toluene—Easy condition continues to be reported although prices are firm at present from all distributors. Factors intimate that shading might be possible before long if the situation becomes much easier.

Xylene—Commercial product still very strong and prices are very firm. Quotations on 10° are given at 35c gal. in tanks, and 40c in drums; 5° material is named at 40c in tanks, and 45c in drums; and 3° is quoted at 55c gal. in drums.

Intermediates

Acid Gamma—Prices are firm and unchanged from makers who report a slight request.

Acid H—Although buying remains at a low point makers are unwilling to shade their schedules and are quoting firm unchanged prices in all transactions.

Acid N & W—Steady position reported by makers who report only a routine demand of fair proportions.

Acid Sulfanilic—Fair movement of supplies reported by manufacturers who named unchanged prices.

Aniline Oil—Firm condition continues to be reported although the volume moving is far from satisfactory in most quarters.

Dimethylaniline—Stocks remain large and the volume moving is slight but makers are firm in their quotations in all directions.

Ortho-Anisidine—Prices from makers are firm and unchanged and a fair demand of routine character is reported.

Ortho-Nitrotoluene—Offerings are not to be had in any direction and prices remain nominal.

Ortho-Toluidine—Nothing new in the situation. Makers are still in a sold-up condition and occasional offerings are changing hands at 25c lb. in drums.

Para-Nitroacetanilid—Manufacturers report a slight request but quote firm prices of \$1.00 @ \$1.05 lb.

Para-Nitrotoluene—Easy condition of the market is still reported although factors are unwilling to lower quotations as there does not appear to be any outlet for the material at any price.

Para-Phenylenediamine—Routine demand reported from fur dyers. Prices are firm at \$1.25 @ \$1.30 lb. from makers.

Para-Toluidine—Stocks are exceedingly large and the demand is only of a slight routine character. Makers

are not shading prices until an actual market is developed for the large quantities on hand.

Sodium Naphthionate—Quotations from makers remain at 57c @ 60c lb. and a fair request is reported.

MANY COKE OVENS IN WALES CLOSED

Owing to the depression in the iron and steel trades throughout practically the whole of 1924, coke ovens in South Wales were compelled to close down completely and the output of by-products was curtailed, writes *vice consul* J. E. Parks, Cardiff. The industries which utilize by-products also suffered from the general trade depression, and there was scarcely sufficient demand for the small outputs available. Tar distillers had been looking for a strong demand from rural and county councils for refined tar for the roads, but the bad weather dissipated these hopes. The two commodities which have perhaps justified themselves were sulfate of ammonia and benzol, but the comparative strength of these was only obtained by reduction in price. Pitch once again proved a surprise for everyone, this time by the suddenness and completeness of its collapse.

British imports of dyes and coal-tar products amounted to £1,726,285 in 1923, against £1,834,741 in 1922. Of these totals the United States supplied 34% in 1923, and 20% in 1922. Germany supplied 32% in 1923, and 27% in 1922. Benzol, which is the main product in this group, was entirely supplied by the United States in 1923, while in 1922 it furnished 80%. Alizarine imports in 1923 totaled £72,761; against £60,607 in 1922; and synthetic indigo figures totaled £13,993 in 1923; against £3,008 in 1922.

A statement by the Swansea Dye Works, Swansea, Mass., shows its financial condition as of Dec. 31 as follows: Assets, cash \$8,076, accounts receivable \$600, supplies \$11,395, machinery \$222,285, real estate \$129,248, furniture, fixtures, tools \$35,200. Liabilities, accounts payable \$55,989, reserve for depreciation \$107,740, profit \$96,977. Company is capitalized at \$150,000.

In Japan the lack of demand for indigo from the weaving centres affected the market till the margin between the market quotation for German indigo and the Daido Senryo's sale price was eliminated. This led the company to cut the price by yen 10 and the American, French and Swedish indigoes weakened.

Imports of pyridine during March amounted to 27,477 pounds, valued at \$19,175. Great Britain sent 21,593 pounds, valued at \$12,486, and Germany 5,884, valued at \$6,689.

Exports of shellac from India during the three months from December, 1924, to February, 1925, were 9,100,000 lbs. of which 3,900,000 lbs. came to North America.

The adoption, for the first time, of a standard Fall color card by makers of children's apparel is expected to facilitate the matching of shades in hats and coats.

DYES, DEALERS, & DYERS

Is there a place for the local dye distributor? Why does he push imported dyes? What would become of him, if the Germans regained control of our dye markets? Who pays for the bribed dyer? These are some of the leading questions asked and answered in the second article on the Present Dyestuff Situation in next week's "Drug & Chemical Markets," June 3rd.

INDIGO PRICES SLUMP IN CHINA

Well Established Shops Cutting Into Trade Built Up By American Firms In The Last Few Years.

Stocks of indigo paste in North China at the beginning of 1925 were approximately 20,000 piculs, writes Assistant Commercial Attache A. H. Evans, Peking. The total importation last year was about 45,000 piculs. Shipments since the beginning of 1925 have been arriving at about the same rate as last year, so there does not seem to be much prospect of the large stocks now on hand being reduced to any great extent. The piling up of these stocks and continued shipments from the factories have resulted in a lowering of price levels since the beginning of the year of about 25 per cent. At the present time, prices for the old-established shops are silver \$55 per picul, ex godown, Tientsin, and for the American and other new shops about 10 per cent less.

Information from reliable Chinese sources seems to indicate that this lowering of prices is due not only to the heavy stocks, but also to a determination on the part of the old well-established shops to cut into the business which has been done by the Americans in the last few years. However, the prices which are being quoted in the market are about as low as prices which have been quoted by the manufacturers to the syndicates, and the syndicates are making no profit under present conditions, so it would appear that the prices now being quoted by the manufacturers must go down, which does not seem possible, inasmuch as they already are practically at pre-war levels; or the Chinese sales syndicates which have been in existence for a great many years must be cancelled, and the German indigo sold in the future by sales agencies established directly by the manufacturers as the principal American firms are now doing. If American manufacturers can stand the heavier competition which seems likely to continue throughout 1925, the outlook for the future seems to be good.

Importations of sulfur black in 1924 were extremely large, probably reaching a total of 43,000 piculs. Prices on this commodity declined from the closing levels of last year, but now seem to have been stabilized at silver \$35 per picul for the best American and German brands, with the Japanese brands around 10 to 15 per cent less.

The Dyestuffs Department of E. I. du Pont de Nemours & Co. has just placed on the market a new chrome green, known as Pontachrome Green G, to take the place of Pontachrome Green GLO which will be discontinued. It is bluer than Pontachrome Green GLO, but very similar in properties as well as in strength. Pontachrome Green G can be applied as a straight color or can be used in combinations to produce browns, greens, or olives, and especially in mixtures to produce blacks that leave silk effects unstained.

About 2,879,000 pounds of benzol valued at \$83,962, were exported during March and 1,102 barrels of coal tar pitch, valued at \$8,120. Other crude distillates exported totaled 1,419,060 pounds, valued at \$43,836.

Companies in the German aniline dye cartel have declared dividends of 8 per cent. The leading companies are Hoechst Farbwerke, Badische Anilin- und Sodafabrik and Elberfelder Farbenfabriken.

Herman A. Metz is being urged by his friends to accept a nomination for City Comptroller on the Democratic ticket this Fall.

The Oil Market

Current Spot Quotations of Oils, Tallow, Greases, pages 1603-1604

FOREIGN STRENGTH ADVANCES WOOD OIL

Spot Prices Higher—Linseed Oil Quiet—Palm Kernel Higher—Corn Oil Down—Cottonseed Oil Lower—Rapeseed Oil Steady—Lard Oil Up—Tallow Shaded—White Grease Lower Due to English Embargo.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Chinawood Oil, $\frac{1}{4}$ c lb.	Lard Oil, Prime, $\frac{3}{4}$ c lb.
Palm Kernel Oil, $\frac{3}{4}$ c lb.	
Declined	
Corn Oil, Crude, $\frac{3}{4}$ c lb.	Grease, White, $\frac{1}{2}$ c lb.
Cottonseed Oil, Crude, $\frac{3}{4}$ c lb.	Tallow, $\frac{3}{4}$ c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	War
Cod Oil, N. F.....gal.	\$.62	\$.62	\$.62	\$.64	\$1.26	\$.26 $\frac{1}{2}$
Degras American. bbl..lb.	.04 $\frac{1}{4}$	.04 $\frac{1}{4}$	.04 $\frac{1}{4}$	.04 $\frac{1}{4}$	.28	.03 $\frac{1}{2}$
Lard No. 1.....gal.	.85 $\frac{3}{4}$	.85 $\frac{3}{4}$	.89	.79	2.90	.92
Menhaden, crd. tks.....gal	.55	.55	.55	.50	1.20	.33
Neatsfoot, 20 deg. c.t..gal.	1.22 $\frac{1}{2}$	1.24 $\frac{1}{4}$	1.24 $\frac{1}{4}$	1.38	3.45	.93
Red Oil, distilled.....lb.	.12	.12	.12	.09 $\frac{3}{4}$	.17	.07
Stearic Acid, T. P.....lb.	.16 $\frac{1}{4}$	.16 $\frac{1}{4}$	.16 $\frac{1}{4}$	.13 $\frac{1}{4}$	.83	.12
Coconut, Ceylon, bbls..lb.	.10 $\frac{1}{4}$	.10 $\frac{1}{4}$	.10 $\frac{1}{4}$	.09 $\frac{1}{4}$	.30	.14
Cottonseed, crude, tankslb.	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.09 $\frac{1}{4}$	.07 $\frac{1}{2}$	.25	.08
Linseed, crude.....gal.	1.06	1.06	1.04	.94	1.85	.57
Olive, denatured.....gal.	1.15	1.15	1.15	1.22	4.50	1.05
Peanut, refined.....lb.	.15	.15	.15	.15 $\frac{1}{4}$	.30	.08
Soya Bean, bbls.....lb.	.12 $\frac{1}{2}$	.12 $\frac{1}{4}$	.12 $\frac{1}{4}$	.12	.19 $\frac{1}{4}$	.07
Average .....	.0482	.0487	.0485	.0476	1.20	.0592

Steadiness and underlying strength characterized the fixed oil market during the past week although trading showed no appreciable gain in any particular direction. Prices were firmly maintained on practically the entire list and a few advances were recorded. The chinawood oil situation has firmed considerably owing to higher quotations from abroad and spot offerings are quoted higher. Interest is lacking in linseed oil and crushers are marking time due to the consumers being unwilling to purchase ahead. The strength of the market is probably due to dealers and importers being of the opinion that consumers are not too well stocked since buying has been very slight for some time past. White grease is lower because of the poor demand for export. The decline in foreign buying is caused by the English embargo placed on white grease because of factors in that country taking denaturant out of the material and selling it as lard. An embargo is also threatened in Germany. Palm oil is still very firm.

Vegetable Oils

Castor Oil—Market is being steadily maintained in all quarters and quotations remain the same on all grades.

Chinawood Oil—Firm conditions abroad have resulted in spot quotations being advanced to 12 $\frac{3}{4}$ c @ 13c lb. in barrels; tanks on spot are higher at 12 $\frac{3}{4}$ c @ 12 $\frac{3}{4}$ c lb.; and tanks at the Pacific Coast are named at 11 $\frac{3}{4}$ c @ 11 $\frac{1}{2}$ c lb.

Coconut Oil—Market holding at unchanged prices on all grades although the demand is not more than routine.

Corn Oil—Easier condition reported and tanks of crude have been shaded to 9 $\frac{3}{4}$ c @ 10c lb. Barrels are

still quoted at 11c @ 12c lb. Factors report a steady movement of the refined material and quote unchanged prices of 13c lb.

Cottonseed Oil—Crude oil is lower at 8 $\frac{1}{2}$ c lb. and only a slight interest is being displayed. Prime summer yellow quotations ranged from 9 $\frac{3}{4}$ c lb. to 10 $\frac{1}{4}$ c. as to position from May to December with the higher quotations being given for the nearer positions.

Linseed Oil—Interest continues to lag in this market and crushers are reporting an absolute lack of orders. Prices have been maintained at unchanged figures in all quarters and seed markets have shown but slight variations. Consumers are thought to be covered for the present and due to the unsettled condition of the market for some time past they are unwilling to buy other than their actual needs. Carlots of barrels are named at \$1.06 gal.; and tanks at \$1.00. Linseed Oil at London is slightly higher at 45s 3d; and quotations at Antwerp have advanced to 412f. Seed markets opened this week at \$2.78 $\frac{3}{4}$ for May at Minneapolis; \$2.79 for July; Winnipeg May \$2.46 $\frac{1}{2}$; July \$2.48 $\frac{3}{4}$; Oct. \$2.37; Duluth July \$2.81 $\frac{3}{4}$; Buenos Aires June \$2.17 $\frac{1}{4}$.

Olive Oil—Quotations show no variation in any quarter and the market is fairly steady despite heavy arrivals recently.

Olive Oil Foots—Prices are being maintained at 8 $\frac{3}{4}$ @ 9c lb. with goods freely offered on spot at these figures. Shipments are lower, being offered at 8 $\frac{3}{4}$ c @ 8 $\frac{3}{4}$ c lb. Imports at New York were 3,032 bbls.; and at Philadelphia 540 bbls. were brought in.

Perilla Oil—Offerings continue to be quoted at 14 $\frac{1}{4}$ c @ 15c lb. as to quantity.

Palm Oil—Firm condition continues and prices are unchanged in all quarters. Offerings on spot are not of large proportions and prices are likely to become firmer.

Rapeseed Oil—Prices are holding at 99c @ \$1.00 lb. although spot stocks have increased somewhat. A strong demand continues. Imports at New York last week were 1,100 bbls.

Sesame Oil—Steady request reported with prices firm at 13 $\frac{3}{4}$ c lb. for edible.

Soya Bean Oil—No variation in quotations is noted in this market and factors are reporting a fair demand with spot stocks of not very large proportions.

Animal Oils

Greases—Choice white is lower at 12 $\frac{1}{2}$ c @ 13c lb. owing to a sharp decline in export demand caused by an embargo being declared in England. Other grades are unchanged as to price and a steady movement of all available supplies is reported by makers.

Lard Oil—Edible prime has been advanced to 19 $\frac{1}{2}$ c lb. Prices on other grades are unchanged and the market is quite steady.

Neatsfoot Oil—Situation unchanged over the week and factors report no difficulty in moving their supplies at recent figures.

Oleo Oil—Fairly steady condition reported by manufacturers who quote unchanged prices on all grades.

Red Oil—Active market continues and prices are firm and unchanged from all makers.

Stearic Acid—Quotations remain firm and unchanged and the market is very steady. Some factors however find conditions slightly easier.

Tallow—Slight decline recorded over the week and quotations are given at 8 $\frac{3}{4}$ c @ 8 $\frac{7}{8}$ c lb. from makers.

The 1924 output of the forty-five menhaden plants distributed along the coast from New York to Texas was little more than half that of 1923, says the U. S. Bureau of Fisheries. Because of the scarcity of fish, many of the plants operated at a loss. The output included 45,417 tons of fish scrap and meal valued at \$1,492,550, and 3,923,904 gallons of oil valued at \$1,817,626. The output in 1923 was 88,387 tons of scrap and meal and 7,461,365 gallons of oil.

The National Paint, Oil and Varnish Association held the first annual meeting of the Southern Zone, in Atlanta, Ga., last week under the auspices of the Atlanta Paint, Oil and Varnish Club. About 250 Southern manufacturers and dealers attended. E. V. Peters, of New York, president of the national association responded to the addresses of welcome, congratulating the delegates on the establishment of the Southern Zone meetings.

A committee of six members of the Interstate Crushers' Association, including three crude mill owners and three refiners, who endeavored to work out a rule on cottonseed oil settlements, reported to the New Orleans convention that the conference with a committee of the New York Produce Exchange had failed to produce results. Another committee was appointed to take the matter up with the New Orleans Cotton Exchange.

Exports of naval stores, gums and rosins during April were valued at \$1,594,574, compared with \$1,466,527 the value of exports for April of last year. During the ten months ended April the value of exports was \$22,892,188, compared with \$18,465,337 for the same ten months ended April last year.

Hilo Varnish Corp., Brooklyn, N. Y., has opened a branch office with warehouse facilities at 218 Third avenue, Pittsburgh. The industrial side of the business will be taken care of by A. G. Russell, and the jobbing and retail trade by Ben Bower.

Imports of China wood oil during March totaled 12,067,968 pounds, valued at \$1,429,371. Flaxseed imports totaled 833,927 bushels, valued at \$2,125,202. Imports of linseed oil amounted to 2,609,432 pounds valued at \$273,817.

S. C. De Merral, of Martin Senour Co., Ltd., Vancouver, B. C., has been appointed executive assistant of Sherwin-Williams Co. of Canada, Ltd., with headquarters in Montreal.

Exports of black pepper from Batavia for the first two months of 1925 totalled only 1,489 tons, against 2,390 tons and 2,543 tons for the corresponding periods of 1924 and 1923, respectively. The U. S. was by far the larger buyer, taking 1,010 tons this year.

Arthur Phillips, of National Oil and Supply Co., Newark, N. J., is in California attending the Shriners convention. He will return about June 23.

James B. Sipe & Co., Pittsburgh, have moved to the Chamber of Commerce Building, 411 7th ave., Pittsburgh.

SUMATRA INCREASES PALM OIL OUTPUT

England and Holland Taking the Bulk of the Production
—interested Foreign Capitalists

Although the total output of palm oil of the Dutch East Indies is small in comparison with the world's production, it is steadily increasing. It has been shown that Sumatra is well suited for this culture, and all difficulties in oil extraction now appear to have been overcome by the introduction of improved mechanical appliances. The area under cultivation is also increasing, while numerous long leases for oil palm estates have been granted during the past twelve months. Interest is being shown by Dutch and foreign capitalists, so that if only 50 per cent of the enquires for land mature, the output of palm oil will be considerable a few years hence. Oil palm planting is the latest culture which Dutch East Indian planters are concentrating on, and there is no reason why this industry should not follow rubber, tea and quinine, which from small beginnings have become most important industries. The oil palm has an advantage as it is indigenous to the country, and is an extremely hardy plant. The progressive increase in the area under oil palm is shown in the following table:

Year	Area planted up	Area Producing
	Hectares	Hectares
1918	4,383	1,517
1919	5,123	2,913
1920	9,078	2,989
1921	8,095	3,258
1922	12,379	3,266
1923	15,395	4,134

Year	Production	
	Kilos	Kilos
1919	575,727	1923 3,645,338
1920	1,71,324	1922 3,946,751
1921	2,470,620	

Exports in 1924 from Belawan, Sumatra East Coast, were 5,203,000 kilos, against 4,096,000 kilos in 1923. Figures for Acheen are not yet obtainable. Principal countries of destination are Great Britain, 2,869,000 kilos and Holland 1,285,000 kilos. The future yearly increase in output is estimated at 1,500 and 2,500 tons.

Prices of refined palm oil in England last year ranged from £35.10.0 to £41.10.0 per ton.

Certain-teed Products Corp. has resumed payments on the common stock by declaring a dividend of \$1 a share quarterly, placing the issue on a \$4 annual basis. This is the first dividend since Jan. 1, 1921, when \$1 a share also was paid. The directors authorized the retirement of \$180,000 of the first preferred stock, under sinking-fund operation, making a total of \$1,170,000 retired since 1918. George M. Brown, President, stated following the meeting that April earnings were more than double those of the same month last year and ahead of March, 1925. Sales and net profits for the first four months of 1925 were larger than in any similar period in the history of the company.

Cottonseed crushed in the nine months from Aug. 1 to April 30 totaled 4,358,691 tons, against 3,126,299 tons for the corresponding period a year ago, according to the Census Bureau. Cottonseed on hand at the mills April 30 totaled 144,271 tons, 130,120 tons last year. Crude oil on hand April 30 amounted to 1,322,123 lb.

Miscellaneous Raw Materials

Heavy Chemicals 1578-1603; Tan and Dyestuff, 1578-1603; Fatty Oils 1603-1604

STARCHES AND DEXTRINS ADVANCE

Reflect Position of Grain Markets—Reduction in Ground and Leaf Sumac—Logwood and Hematine Extracts Firmer—Rosin Prices Break Sharply—Silk and Wool Mills Buying Less

PRICE CHANGES IN NEW YORK

(Stock in First Hands)

Advanced

Albumen, blood, 1c lb. Rosin Oil, 6c bbl.
Dextrin, corn, 15c 100 lb. Starches, corn, 15c 100 lb.
Lead, 1/2c lb. Tin, 1c lb.
Nitrogenous Material, 10c unit. Zinc, 1/4c lb.

Declined

Rosin: B & WG, 87 1/2c 280 lb. Antimony, 1/4c lb.
D, 1.07 1/2c 280 lb. Starch, potato, 1/4c lb.
E & I, 72 1/2c 280 lb. Sumac, \$8 to \$10 ton.
F, 1.72 1/2c 280 lb. Turpentine, 5c gal.
G & WW, 62 1/2c 280 lb. Valonia cups, \$1 ton.
H & M, 67 1/2c 280 lb.
K & N, 77 1/2c 280 lb.

Outside of an advance in starches and dextrins by manufacturers owing to the position of the grain markets, few developments of interest in the market for miscellaneous raw materials for textile, leather, rubber, paper, and other consuming trades, have been noted. Demand for materials by silk and woolen mills has on the whole shown a decided falling off where any business was being done previously. Activity in artificial silk and cotton centers has been fair, but capable of considerable improvement. Rosin prices broke sharply early this week. Both ground and leaf sumac are lower, but no change has been made in the extract. Logwood extract and hematine show a firmer trend.

ACCELERATORS

Diortho-tolyl-guanidine—Moving steadily at unchanged prices of \$1.15 lb. from the maker.

Diphenyl-guanidine—Manufacturers report an active demand with prices quoted firmly at recent reduction to 95c @ 98c lb.

Ethylidine-aniline—Market steady with quotations given at 70c @ 75c lb., and a fair request reported.

Hexamethylene—Market has shown no change and manufacturers continue to name firm quotations of 82 1/2c @ 85c lb., for rubber makers grade.

Triphenyl-guanidine—Quotations are unchanged and a routine movement of fair proportions is reported by makers.

Vulcone—Manufacturer is holding to the same price of 84c lb. in drums.

ALBUMENS

Blood—In sympathy with other albumens this item is stronger and is now quoted at 48c @ 50c lb.

Egg—All egg products are reported to be in a firm position now and previous prices are strongly held.

Vegetable—Prices remain unchanged at 60c @ 65c lb. with sales reported to be in good volume.

CLAYS AND FILLERS

Barytes—No change is to be seen in this situation with supplies sufficient to cope with demand and prices firmly held at unchanged levels.

Blanc Fixe—There are no new developments in this market with prices firmly maintained and demand of a routine nature.

INDUSTRIAL CHEMICAL SECTION

Clay—Prices in this commodity have shown no fluctuation being well maintained at figures at which contracts were placed at the beginning of the year. Routine movement is taking place in filling these contracts.

Talc—Demand continues to be of a routine nature with supply great enough to cope with the situation. Prices unchanged. Imports for last week, 2,000 bags.

Whiting—Market remains unchanged with prices steady and demand normal.

COLORS AND PIGMENTS

Blues—Firm condition still holds in this market and makers are finding no difficulty in maintaining their schedules in all transactions.

Carbon Black—No new developments reported and buying is being done in a large way at 6c lb. for carlots of bags at works, and 7c lb. for cased goods.

Chrome Colors—Market steady and shipments of yellows and greens are quite satisfactory in all quarters. Prices show no variation due to the steadiness of raw material prices.

Iron Oxide—Unchanged quotations named by holders of both Spanish and English products.

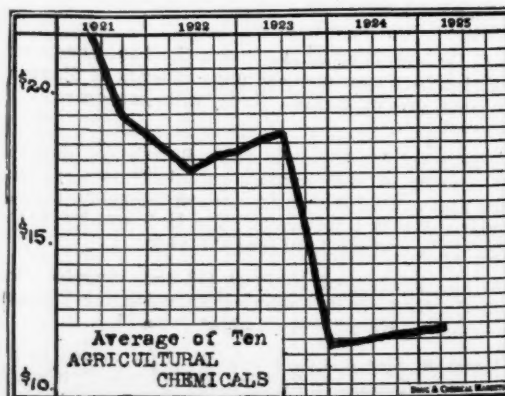
Vermilion—Quotations on English vermilion remain at \$1.40 @ \$1.45 lb. despite firmer mercury prices.

DYE AND TAN WOODS

Divi Divi—Receipts of divi divi in this country are just enough to keep the market alive at \$53 @ \$55 ton with very little interest outside of actual needs shown at that figure.

Agricultural Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66%.....ton	\$14.00	\$14.00	\$14.00	\$14.00	\$55.00	\$20.00
Ammonium Sulfate, 190lbs. 2.95	2.95	2.95	2.95	2.70	7.75	2.65
Arsenic .....lb.	.05	.05 1/4	.04 1/4	.08 1/2	.18	.04
Copper Sulfate .....100lbs.	4.70	4.70	4.70	4.70	20.00	4.05
Paris Green .....19	.19	.19	.19	.30	.50	.11
Potash Muriate, 90%.....ton	34.55	34.55	34.55	34.55	..	..
Potash Sulfate, 90%.....ton	45.85	45.85	45.85	41.27	440.00	48.07
Phosphate, Acid, 16%.....ton	10.10	10.10	10.10	7.50	21.00	15.00
Phosphate, Rock 69%.....ton	2.50	2.50	2.50	2.25	11.00	3.00
Sodium Nitrate .....100lbs.	2.55	2.60	2.64	2.60	5.00	1.90
Average	11.734	11.739	11.843	10.652	103.50	13.84



Myrobalans—Demand continues weak at current high prices and buying is not very active. Imports for last week were 11,871 pockets. Prices unchanged.

Quebracho—There is little buying interest shown at present but prices are firmly held at former figures.

Sumac—Quotations were heard last week at \$112 for the ground with the leaf at \$150 ton, reductions of \$8 and \$10 respectively. Prices are not expected to go much lower this season. Imports for last week, 560 bags ground and 100 bales leaf.

Valonia—Cups are now quoted for shipment at \$37 @ \$38, a reduction of \$1, with beards at \$55 @ \$56 and mixtures at \$45 @ \$46 ton. Imports for last week, 4,279 bags.

Wattle—Prices remain unchanged for this bark and demand is fairly active.

EXTRACTS

Archil—Demand and supply are both slight at present and prices are maintained at former figures.

Chestnut—Market continues firm at recently reduced price of 15¢ @ 2c lb. in tanks and 2¼¢ @ 2¾¢ lb. in barrels. Solid continues unchanged at 5¼¢ @ 5¾¢ lb.

Cutch—There has been no change in the condition of this market and prices are firm.

Divi Divi—Prices remain unchanged with the market situation stable on a weak demand.

Fustic—Demand is weak and prices are unchanged at 10¢ @ 12c lb. for the liquid and 20¢ @ 22c for solid.

Hematin—There has been a slight increase of interest and the market is reported firmer with prices unchanged at 9¢ @ 12c for the paste and 12¢ @ 20c for the crystals.

Logwood—A firmer position exists for this item but prices are unchanged at 8¼¢ @ 8½¢ lb. for the 51° and 12¢ @ 15¢ for the solid.

Myrobalans—Prices remain unchanged at recently re-

duced figures of 4¼¢ @ 4½¢ lb. for the 25% and 8¼¢ @ 8½¢ for the 50%, solid.

Quebracho—The market continues quiet with prices firmly maintained by producers at former figures.

FERTILIZERS

Ammoniates—Dealers report a between season period of quiet at present with the spring buying over and activity for fall consumption held in abeyance until after the national convention to be held June 8th. Very few price changes are now in evidence. Tankage is unchanged at recent decline of \$3.50 and 10c unit with blood in New York at \$3.60 and in Chicago at \$3.25. Fish scrap is reported unchanged at \$4.00 f.o.b. factory when and if made. Bone meal is unchanged. Nitrogenous material is stronger at about \$3.30 @ \$3.40 due to a bit of frenzied inquiry on the part of manufacturers.

Ammonium Sulfate—Demand is easy at present with prices unchanged at \$2.60 @ \$2.65, works, in bulk.

Acid Phosphate—Demand is fairly active with prices well maintained at 60¢ @ 65c unit.

Cyanamid—Prices are well maintained with demand at present not very great.

Phosphate Rock—Demand continues to be good with large volume of business being done at unchanged prices.

Potash Salts—Stocks are not always sufficient to cope with demand but prices are maintained firmly at guaranteed figures.

Sodium Nitrate—See Heavy Chemical Market report.

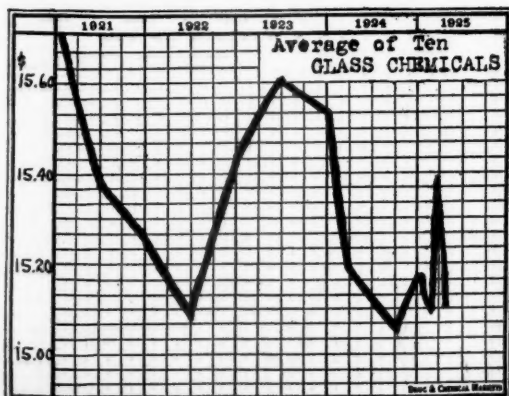
INSECTICIDES AND FUNGICIDES

Arsenic—See Heavy Chemical Market report.

Calcium Arsenate—No improvement reported in the situation and quotations remain at 7¢ @ 7½¢ lb. with occasional sales of distressed lots changing hands at 6½¢ lb. in the south.

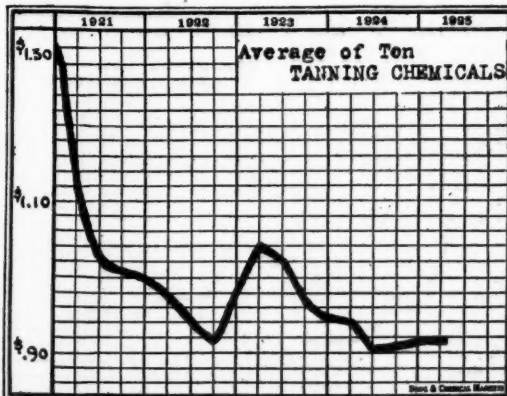
Glass Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Arsenic	100lb \$5.00	\$5.00	\$4.75	\$8.50	\$18.00	\$4.00
Fluorspar 96% c. i. f. ton	33.50	33.50	33.50	33.50	60.00	28.00
Limestone, ground	4.50	4.50	4.50	4.50	4.50	4.00
Litharge	100lb 11.25	11.25	12.50	11.50	17.00	9.00
Salt Cake	ton 19.00	19.00	20.00	20.00	40.00	15.00
Silica, crude	ton 6.00	6.00	6.00	10.00	20.00	8.00
Soda Ash, dense	100lb 1.45	1.45	1.45	1.45	4.10	.69
Sodium Silicofluoride 100lb.	4.25	4.25	4.25	6.00	10.00	3.50
Sodium Sulfate, anhy. 100lb.	3.00	3.00	3.00	3.75	8.00	2.50
Tin Oxide	100lb 57.00	57.00	57.00	50.00	100.00	60.00
Average	14.520	14.520	14.695	14.970	28.56	13.07



Leather Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.00	\$3.12	\$3.12	\$3.12	\$17.00	\$1.50
Acid, Formic, 99% .....	.1094	.1094	.11	.13	1.5094	.07
Acid, Lactic, 22% dark .....	.06½	.06½	.06½	.06	.07	.02
Potassium Bichromate .....	.08½	.08½	.08½	.09	.65	.064
Epsom Salt, tech.	1.70	1.70	1.70	1.80	3.75	1.00
Sodium Prussiate, Imp. lb.	.10	.10	.10	.10	1.25	.18
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.69
Sodium Bichromate .....	.06½	.06½	.06½	.07½	.45	.044
Sodium Hyposulfite, pea..	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks..	.04	.04	.04	.03½	.104	.024
Average	0.904	0.916	0.916	0.956	3.267	0.528



Copper Sulfate—See Heavy Chemical Market report.

Lead Arsenate—Quiet condition continues to be reported by makers who are naming recent low prices.

Paris Green—Fair request reported by makers although the volume moving is sharply below that of other years.

L METALS

Antimony eased off further during the week and at the close was quoted at 16c @ 16½c lb. Copper maintained a steady course and quotations were unchanged at 13¼c @ 14c lb. for Lake, and 13½c @ 13¾c lb. for electrolytic. Lead recorded another slight advance and rose to 8c lb. at East St. Louis, and 8¼c lb. at New York. Tin advanced on heavy buying to 55½c lb. Zinc was firm at slight advances to 7c lb. at East St. Louis, and 7½c lb. at New York.

NAVAL STORES

Rosins—Spot stocks at New York are quoted lower owing to a sharp drop in quotations early this week at the primary markets. Prices are named at B \$8.87½; D \$8.92½; E, F \$9.32½; G, H, I, K \$10.42½; M \$10.72½; N \$11.12½; WG \$12.37½; WW \$13.62½.

Rosin Oil—Quotations are higher in sympathy with the recent advances in rosins. Holders name 58c @ 60c for first run; 61c @ 63c for second run.

Tar and Pitch—Prices remain firm at recent levels in all quarters.

Turpentine—Further sharp reaction recorded over the week and spirits at the close were quoted at \$1.05 @ \$1.08 gal.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., May 23.—Rosins closed quietly, the last sales having been made on May 20. Offerings were

made at the close, but there were no bidders. The market advanced during the first two days of the week and some factors are anticipating still further advances. The strong and continued advance is the greatest that has taken place in two or three years. Most of the strength to consider to lie in the medium and common grades. Quotations are: B \$8.25; D \$8.30; E \$8.70; F \$8.75; G, H, I \$9.80; M \$10.10; N \$10.25; WG \$11.50; WW \$12.50; X \$13.00. Receipts for the week were, 12,424 bbls.; stock today totals 65,364 bbls.

Turpentine reacted favorably today and recovered part of the week's decline closing firm at 99¼c gal. against \$1.02 a week ago. The price went down steadily this week until the last day when the recovery took place. Heavier receipts are expected to make their appearance during the coming week and prices are not expected to hold. Receipts were 3,925 bbls.; stock on hand totals 7,020 bbls.

Jacksonville, Fla., May 23.—Turpentine closed firm at 99c on sales of 300 bbls. Today's offerings of 369 bbls. were carried over there being no bids. Rosins closed unchanged and conditions were practically the same as prevailed in Savannah. Stocks of rosins are 67,347 bbls.; turpentine stocks 13,811 bbls.

STARCHES DEXTRINS AND SIZES

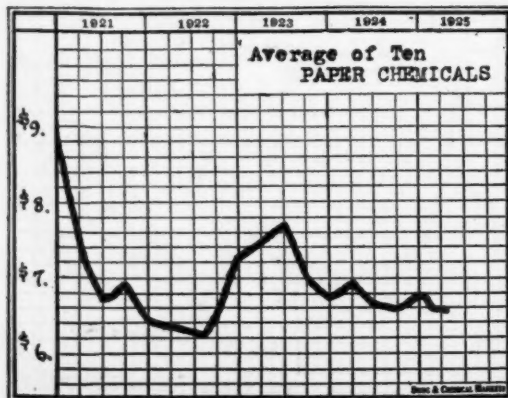
Amber Sorts—See Crude Drug Market—Arabic Gum.

British Gum—Very little demand is in evidence for this item and prices are maintained at \$5.02 @ \$5.07 100 lbs. in carlots and \$5.12 @ \$5.17 in smaller quantities. Potato gum is also unchanged at 9c lb.

Casein—Makers and importers hold their prices firm at 12½c @ 13c lb. for ordinary mesh, with 100 mesh domestic at 16c lb. Demand is very poor at present.

Paper Chemicals

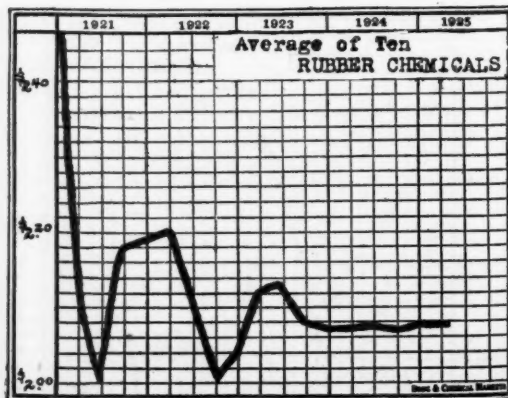
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.00	\$2.00	\$2.00	\$2.40	\$5.00	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.90	9.50	1.50
Casein .....	.12½	.12½	.12½	.10½	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.05½	.50	.08
Salt Cake	17.00	17.00	17.00	20.00	80.00	11.00
Sodium Silicate, 40% ..	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.69
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	9.32½	11.05	8.90	5.80	4.50	20.25
Average	6.059	6.231	6.016	6.044	13.50	5.50



INDUSTRIAL CHEMICAL SECTION

Rubber Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony, Sulfide Crim..	\$3.39	\$3.39	\$3.39	\$3.39	\$4.45	\$3.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black cases wks. ....	.07	.07	.07	.12	.30	.14
China Clay, Imp.	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.82½	1.35	.80
Iron Oxide, Span. ....	.03	.03	.03	.03½	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06½	.08	.04
Sulfur	3.00	3.00	3.00	3.05	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	14.00	30.00	11.00
Zinc Oxide, Amer. ....	.08½	.08½	.08½	.08½	.09½	.09
Average	3.452	3.452	3.452	3.464	5.937	..



Dextrins—Producers have just announced a fifteen cent advance due to the condition of the grain market. White corn dextrin is now quoted at \$4.82 100 lb in carlots and \$4.92 in smaller quantities with canary dextrin at \$4.87 in carlots and \$4.97 in smaller quantities. Potato dextrin unchanged at 8½¢ lb.

Glues—Prices remain unchanged with demand active especially for the bone glue, which is quoted at 10¢ @ 12¢ lb. Some dealers are looking for an advance in this commodity soon.

Starches—The condition of the grain market has produced an advance of fifteen cents 100 lbs for all corn starches which are now quoted at \$4.17 @ \$4.27 in bags for the powdered, \$4.07 @ \$4.17 as to quantity for the pearl with wheat and rice starches unchanged at former figures. Potato starches are reported easier at 3¾¢ @ 4¢ lb. for the domestic in carlots and 6 ¾¢ @ 6¾¢ lb. for imported.

Zinc Stearate—This item is now procurable at the lowered price of 20¢ @ 22¢ lb.

In reference to a cut of 25% in the prices of German aniline and alizarine dyes the Chemical Trade Journal, London, states that there is very little doubt that German manufacturers are about to make a strong attempt to regain their pre-war position in the industry, and the newly developed industries in the United States and the United Kingdom are the greatest obstacles in their way.

The only factory of cutch (mangrove tannin), situated at Telok Ayer in West Borneo, producing 27,460 piculs during 1923, has ceased operations and will not be reopened.

Clegg Chemical Co., Inc., New York, have the agency for the Laporte brand of hydrogen peroxide with stocks in New York and Philadelphia.

In the Consuming Markets

American Rayon Products Corp. of Delaware has purchased the plants of Artsilk Knitting Mills, West New York and Union Hill, for \$150,000.

The American Leather Chemists' Association will hold the annual meeting at Atlantic City, June 3 to 5. Headquarters will be at the Hotel Traymore.

Carlton R. Rose, of San Francisco Cal., has purchased the glass works at Second and Addison sts., Berkeley, Cal. and will remodel the building for a chemical plant.

Backus-Brooks Co. will erect the largest pulp mill in the world before the end of 1925, at Kenora, Ont., according to Seymour Backus, vice-president of the company.

Toleston & Hullingsworth are building a large addition to their de-inking plant at the Mattapan, Mass., mill. It is expected that they will install some new washers and a new cooker in this building.

Waltham Bleachery & Dye Works of Waltham, Mass., reports profit and loss of \$160,769 as of Dec. 31, 1924. Accounts receivable \$94,592, notes payable \$50,000, cash \$85,643, and merchandise \$40,435.

A technical man will be present in every booth of the Chemical equipment exposition to be held in Providence June 22 to 27 in order that any questions pertaining to practical engineering problems can be answered.

Padlocking of plants of Carson Carbon Co., a Canadian concern with plants located in Louisiana, has been ordered by W. J. Everitt, Conservation Commissioner of Louisiana, due to the company being accused of "over pulling" natural gas.

Hood Rubber Co., Watertown, Mass., reports sales for the fiscal year ended March 31 of \$29,096,635 compared with \$28,248,654 for the previous year and \$28,180,007 for the fiscal year ended March, 1923. Since the beginning of the new year business has been on a good scale.

A surplus of \$14,508 is reported by Lowell Dye Works, Lowell, Mass., in a statement filed at the State House, Boston. Assets include accounts receivable \$36,991, cash \$7,038, merchandise \$107,856, machinery \$78,111. Accounts payable are \$29,580, notes payable \$22,500, and loans \$47,000. The company is capitalized at \$120,000.

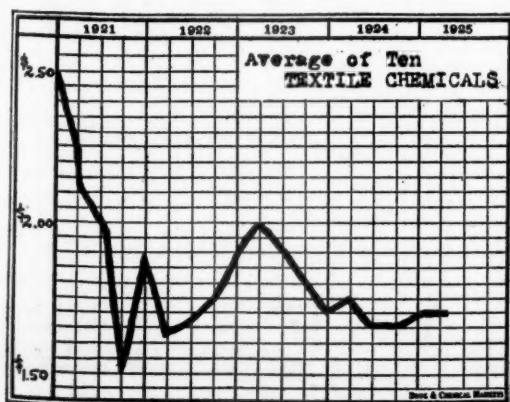
For the first time in recent weeks the textile shares at the public auctions of stocks and bonds in Boston, last week, showed real buoyance. The outlook for the textile industry of New England is much improved and actual instances of better incoming orders are found. In fact with the exception of the Massachusetts Cotton Mills at Lowell, which closed down last Friday for two weeks, the news on mill operations for the week was very encouraging.

Colors chosen by the special committee of the United Waist League of America for Fall blouses are as follows: Gobelin, a soft, dull blue; league gray, a pearl shade; copper lustre, somewhat like burnt orange; fallow, a sand hue; Moroccan, a dark henna shade; cowboy, or light brown; Alpine green, a shade darker than jade green; a bright hue known as league red; navy, and a medium brown shade known as coffee. According to M. Mosessohn, executive chair-man of the league, the new color cards are in unusually active demand.

Textile Chemicals

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$ 3.00	\$ 3.12	\$ 3.12	\$ 3.12	\$17.00	\$ 1.50
Acid, Oxalic .....	.10¾	.10¾	.10¾	.10¾	.70	.07½
Bleaching Powder	1.90	1.90	1.90	1.90	9.50	1.50
Copper Sulfate	4.60	4.60	4.60	4.75	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.10	4.25	1.50
Glauber's Salt	1.25	1.25	1.25	1.20	2.50	.80
Potash, Caustic, Imp. ....	.07¼	.07¼	.07¼	.06¾	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks. ...	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate .....	.06¼	.06¼	.06¼	.07½	.45	.04¾

Average 1.762 1.784 1.774 1.783 4.800 1.25



QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending May 23, 1925

Bid	Asked	Bid	Asked
*Air Reduction ....103 1/4	104	Hercules Powder ....104	107
*Allied Chem. & D. 90 1/4	90 3/4	Hercules Powd., pf. 105	107
*Allied C. & D., pf. 118 1/4	119 1/4	Heyden Chem. 1 1/2	—
*Am. Ag. Ch. 19	19 1/4	Hooker Electro 12	15
*Am. Ag. Ch., pf. 52	52 1/4	Hooker Electro, pf. 40	45
*Am. Chiclé 53	54	*Household Products. 35 1/4	35 1/2
*Am. Chiclé, pf. ....106 1/4	109 1/4	*Int. Agricult. 12 1/2	12 1/4
*Am. Cyan. ....125	130	*Int. Agricult., pf. 52	52
*Am. Cyan., pf. 82	85	*Int. Nickel 28 1/4	29
*Am. Druggist, S. 6 1/4	6 1/2	*Int. Nickel, pf. 96 1/4	97
*Am. Glue 47	50	*Int. Salt 70	77
*Am. Glue, pf. ....108	109	*Mathieson Alk. 81 1/4	82
*Am. Linseed 29 1/4	29 1/2	*Mathieson Alk., pf. 99 1/4	—
*Am. Linseed, pf. 21	21 1/2	MacAnd. & Forbes. 154	158
*Am. Metal 7 1/4	8	MacA. & Forbes, pf. 100	103
*Am. Zinc 27	28	Merck & Co. pf. 50	55
Archer Dan. Mid. 33 1/4	34	Merrimac 84	86
Archer Dan Mid. pf. 96 1/4	97 1/4	Mulford Co. 30	33
*Atlas Powder 47 1/4	48 1/4	*National Lead ....153 1/4	156 1/4
*Atlas Powder, pf. 92 1/4	94	*National Lead, pf. 114 1/4	117
By-Prod. Co. 46	49	Niag. A., pf. 80	85
By-Prod. Co., pf. ....102	105	N. J. Zinc ....187	189
Canad. Ind. Al. ....164 1/4	167	Parke, Davis & Co. 77	80
Canad. Salt ....105	115	Penn Salt 81	83
Casolin Co. 58	65	*Peoples Gas Chi. ....116 1/4	117
Celluloid Co. 28	32	Procter & Gamble ....124	127
Celluloid Co., pf. 70	77	Procter & Gam., pf. 158	—
*Certain-teed Prod. 47 1/4	47 1/2	Royal Bkg. Pow. ....140	143
Charcoal Iron 10	20	Royal Bkg. Pow., pf. 101	103
Ches. Mfg. 60	62	Shawinigan ....148	149
Ches. Mfg., pf. ....114	115	Sherwin-Will., 1st pf. 103 1/4	65
Clark Co., Fred. 2 1/4	4	*Sterling Prod. 63 1/4	65
Cleve Cliffs Iron 70	78	Swan & Finch 17	18
*Com. Solv. A. 82	85	*Tenn. C. & Chem. 10 1/4	11
Do B. 80	85	*Tex. Gulf Sul. ....109 1/4	109 1/2
*Corn Products 34 1/4	34 1/2	Union Carbide 69 1/4	69 1/2
*Corn Products, pf. 121	122 1/4	*Un. Drug ....126 1/4	127
*Davison Chem. 41	41 1/4	*Un. Drug 1st pf. 54 1/4	55 1/4
Dow Chem. no par. 58	65	*Un. Dyewood 10 1/2	15 1/2
Dow Ch., pf. 98	102	*Un. Dyewood, pf. 75	75
Dow Drug Co. 105	108	Un. Gas Imp. 91	91 1/4
Dow Drug Co., pf. 96 1/4	97	Un. Gas Imp. pf. 58 1/4	58 1/2
*Du Pont, Deb. 163 1/4	164	U. S. Gypsum ....153 1/4	154
*Du Pont de Nem. ....109 1/4	—	*U. S. Indus. Al. 90 1/4	90 1/2
*Eastman Kodak, pf. 113	—	*U. S. Indus. Al. pf. 107	109
Freeport Tex. 15 1/4	16	*Va. Car Ch. 4	4 1/4
*Gen. Asphalt 56 1/4	57 1/2	*Va. Car Ch., pf. 16	16 1/4
*Gen. Asphalt, pf. 97	100	*V. Vivaudou 13 1/4	13 1/2
*Gold Dust 41	42	Will & Baumer 14	14
Grasselli ....125	130		
Grasselli, pf. ....101	108		

*Listed on New York Stock Exchange

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.85
France (franc) .....	.183	.051
Italy (lira) .....	.193	.040
Belgium (franc) .....	.193	.050
Czechoslovakia (crown) per hundred	20.30	.029
Denmark (krone) .....	.268	.187
Germany (mark) .....	.238	.238
Holland (guilder) .....	.402	.401
Norway (krone) .....	.258	.168
Poland (zloty) .....	.193	.192
Spain (peseta) .....	.193	.145
Sweden (krone) .....	.268	.267
Switzerland (franc) .....	.193	.193
Argentina (peso) .....	.424	.403
Brazil (milreis) .....	.324	.105
Japan (yen) .....	.499	.418
India (rupee) .....	.485	.363
China (Silver dollar, Hongkong) .....	.789	.549
(Tael-Peking, silver)	1.146	.765
(Tael-Shanghai, silver)	1.986	.742

Bankruptcy schedules have been filed by Anline Sales Corp., chemicals, 480 West Broadway. Liabilities, \$31,982; assets, \$23,519, main item being accounts, \$16,895. Principal creditors are Noil Chemical & Color Works, \$12,344; Mrs. W. J. Horgan, \$4,000.

Texas Gulf Sulfur Co. has declared an extra dividend of 50c a share on the capital stock, in addition to the regular quarterly disbursement of \$1.75 a share, both payable June 15 to stock if record June 1.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields
Bliss Blue Ribbon Soap Co., Dover, Del., \$100,000. United States Corporation Co.

Ferment Products Corp., New York City, 100 shares of common stock, no par. Drugs. L. D. Burgess, S. R. Lorman, F. J. McCabe. Attorney, D. L. Klein, 115 Broadway.

Perm Lust Products, Jamaica, L. I., \$50,000. Paints. J. Miller, G. R. Bird, E. Brass. Attorney, A. Gronich, 305 Broadway, New York City.

Acme Perfumery Co., Baltimore, Md., \$20,000. To manufacture soaps, perfumery, toilet articles. Simon A. Miller, Eli S. Miller, Walter S. Keenan, 816 North Gay st., Baltimore.

Acme Magnesia Co., 1640 Gorsuch ave., Baltimore, 250 shares preferred, \$100 each; 250 common, no par. To manufacture citrate of magnesia.

Lincoln Cleaners and Dyers, Bayonne, N. J., \$100,000. Jacob Steiner, New York; Charles Kutchinsky, Jersey City; Samuel Roth, Louis Bernen, Newark. Attorney, Jacob Stern, Bayonne.

Emblem Oil and Chemical Corp., Schenectady, N. Y., 5,000 shares, \$10 each; 100 shares common, no par. H. S. Miller, L. E. Dempster. Attorney, G. N. Wilson.

Canadian Incorporations

Bee Products, Ltd., Montreal, \$50,000. To make extracts. Henry Day, H. H. McIntyre, Louis C. Drummond.

Whistle Bottling Co. of Toronto, Ltd., Toronto, \$40,000. Beverages; Jacob H. Greenberg, John D. Bradford, Anna M. Laurance.

D. D. D. Co., of Canada, Ltd., Toronto, \$50,000. Medicines and chemicals. Frank W. Richardson, Lansing B. Campbell, Hugh H. Creswicke.

Boon Mfg. Co., Ltd., Montreal, \$100,000. Medicinal and pharmaceutical preparations. Segfried, H. R. Bush, Clarence F. McCaffrey, Anthony P. Vanier.

Guaranteed Egg Corp., Ltd., Montreal, \$50,000. Alkalies and chemicals. Louis C. Denis, Maurice M. P. Girard, Edmond Desaulniers.

Elliot Mfg. Co., Ltd., Peterborough, Ont., \$112,500. Textiles. Benjamin Robinson, Joseph Shapiro, Michael Garber.

Kinea Drug Co., Ltd., Toronto, \$40,000. Joseph Singer. Lawrence Kert, Michael F. Goldstein.

Manitolin Pulp Co., Ltd., Kagawong, Ont. Capital 4,000 shares no par. Alexander R. Cochrane, Grenville C. Price, Rose Kennedy.

Sheguiandah Woollen Mills, Ltd., Sheguiandah, Ont., \$40,000. Textiles. Robert W. Baillie, Wm. S. Reid, Gladys Easson.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Silver nitrate	14541	Bombay, India	Purchase
Soda, caustic	14559	Vienna, Austria	Purchase
Soda and soda ash	14569	Amritsar, India	Agency
Turpentine	14558	Wiesbaden, Germany	Purchase
Drugs and medicines	14559	Vienna, Austria	Purchase
Medicines, proprietary	14558	Quetta, Beluchistan	Purchase
Pharmaceutical preparat's	14562	Teheran, Persia	Purchase
Quinine	14534	Bombay, India	Agency
Toilet preparations	14559	Vienna, Austria	Purchase
Toilet preparations	14560	Amritsar, India	Agency

Aluminum sulfide, calcium carbonate	14332	Warsaw, Poland	Purchase
Antimony sulfide, oxide of chromium, white and blue lead, zinc oxide	14327	Manchester, England	Purchase
Borax	14328	Helsingfors, Finland	Agency

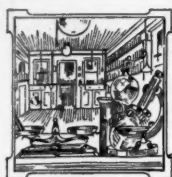
Chemicals, heavy, pharmaceuticals	14329	Turin, Italy	Agency
Chemicals and drugs	14334	Hamburg, Germany	Agency
Formaldehyde	14331	Hamburg, Germany	Purchase

Acetone and industrial chemicals	14994	Stockholm, Sweden	Purchase
Case-hardening materials	15060	Frankfort, Germany	Purchase

Chemicals, pharmaceutical and industrial	14992	Paris, France	Purchase
Chemicals and naval stores	15008	Rio de Janeiro, Brazil	Agency

Dyes, aniline and heavy chemicals	14993	Stockholm, Sweden	Purchase
Drugs	15008	Bombay, India	Agency

Drugs, botanical, and raw materials for perfumery manufacture	14992	Rio de Janeiro, Brazil	Agency
		Paris, France	Purchase



Drug & Fine Chemical

SECTION



Buchu—Have Prices Passed Bottom?

How Government Marketing in South Africa Brought the Lowest Price in 15 Years—The Outlook

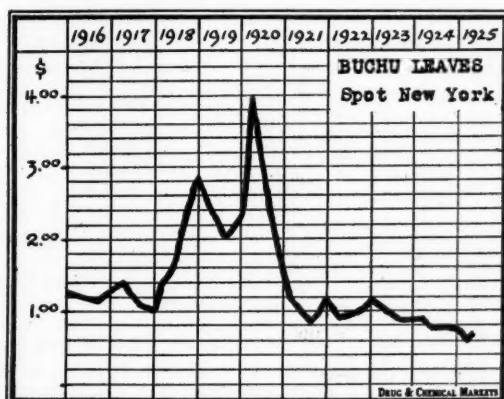
DURING the first three or four months of this year, buchu leaves were selling for the lowest price which they have commanded over the past fifteen years. Then suddenly, the market strengthened and prices began a gradual ascent which is very unusual for this time of year. An analysis of the causes of the low prices and the recent unexpected strengthening, discloses an interesting and unusual situation.

Buchu, or *barosma betulina*, as it is recognised in both the United States and British Pharmacopoeias, is grown in South Africa and is used in preparations for kidney troubles. Hence the demand could not be considered to be a very variable factor in the market and reasons for unexpected changes must lie in varying supply, speculation or increases in demand brought about by advertising of some special preparation or by some other artificial means. A study of the situation fails to reveal any radical change in demand, so the cause must be looked for in one of the other two suggestions, both of which have apparently had some part to play in recent developments.

Tax Approximately 60c Per Pound

Up to about five years ago, approximately four fifths of the buchu was grown on crown lands of South Africa, and anybody who wished, could gather leaves. It was necessary, however, to pay the crown a tax of two shillings and six pence a pound on all leaves that were taken from these lands, and this tax was the principal feature determining the price charged by those who picked leaves on free land. Tax free leaves did sell at slightly under the crown land leaves and helped to strike a balance in the price. During such time as the rate of exchange was at par, the tax alone was approximately sixty cents which had to be charged off before expenses for labor, transportation and American tariff duty could be taken into consideration. By the time the leaves were laid down in the New York market, the actual cost was considerably higher than the leaves have been selling for during the past two or three months.

About five years ago, the South African Bureau of Forestry decided to do their own harvesting and sell the leaves themselves. So the Bureau put the crop up as a whole for offers of buyers who would sell it to the trade. The whole crop was too big a proposition for most exporters to handle, so only a very few offers were made and they were so ridiculously low that the Bureau withdrew its tender and offered the crop in lots of eight to sixteen bales with results more satisfactory to them from the point of view of revenue. But, like all government bureaus, this Bureau took time to get the leaves actually sold and into the trading channels and meanwhile private operators, picking leaves from free lands, were selling



their stocks at higher figures. However, the introduction into the market of the total crop of the crown lands at one time had the effect of bringing prices down to an even level, and the final effect of the government control of the buchu crop has been to keep prices from going too high. Private sellers have been unable to ask exorbitant prices since they knew, and buyers also knew, that the government crop would soon be on the market. In most cases, the buyers were thus enabled to keep prices within reason. Of course, prices from the first shipments up to the introduction of government supplies have been generally a trifle higher, as those who wanted leaves during that time had to pay the sellers' price for them. The government control of a majority of the stock, however, has had a stabilizing effect on the market as a whole.

Prices Highest in October

The leaves are harvested from about the middle of October through November and are ready for shipping about the first of the year at which time the prices are generally highest. The reason for this is that many users prefer the new leaves to the previous year's leaves which have begun to turn yellow, although it is thought that the actual medicinal value of the leaves is not impaired by age. Prices from then on, generally show more or less regular decline until the harvesting of another new crop after which there is another advance. Where there have been deviations from this procedure, explanation must be looked for in some outside cause. For example, a comparison of the chart with the table given below shows that during 1918 when there was a small exportation from South Africa, there was a sharp advance in price. In 1919 and 1920, although exports from that source were large, imports to this country were not very great. Probably, the principal reason for the exceedingly sharp advance in price at just that time was the announcement of the Bureau of Forestry's

decision to harvest its own crop and the putting into effect of that decision. There was also a rather abrupt advance at the beginning of 1922 when the figures on the table show that exports were small, apparently following the harvesting of a small crop.

Revival in Imports in 1923-24

The following table gives an interesting comparison of the amounts of buchu exported from South Africa and the amount imported into this country and indicates the extent to which the United States is the principal consumer. The export figures from 1920 on, are approximate only.

Year	Export from from S. Africa	Imports to U. S
1913	163,412	105,310
1914	149,113	125,368
1915	157,061	120,704
1916	130,889	94,520
1917	124,110	100,809
1918	89,675	50,685
1919	149,166	85,303
1920	125,000	86,535
1921	125,000	93,757
1922	90,000	67,506
1923	175,000	135,000
1924	175,000	128,192

A further analysis of this table brings out the fact that until two years ago, the requirements of this country had fallen off somewhat from what they had been eight to ten years ago. There was a time in that interim when drug manufacturers in this country were drifting away from the use of buchu to a certain extent and toward the use of uva ursi, which has somewhat similar uses and is much cheaper. Importers now report, however, that the use of buchu is coming back and former customers who had not bought for some time are returning to its use, which would account for the higher requirements during the past two years.

The Market Outlook

In considering the conditions of the present market, cognizance must be taken of the fact that last year large stocks were imported and held for higher prices on what have since proven to have been hopes. While some of this material has been fed out, there is some uncertainty as to the present status of the market, and this has had a depressing effect on price. There are reports still around that there is a carry-over stock both here and in South Africa, and that this has deteriorated to a certain extent. Some stemmy stock has also been on the market and all these factors combined with deliberate attempts to depress the market by dealers who are desirous of buying advantageously for their customers, have all had their effect on making prices this year lower than they have been for the past fifteen years. Heretofore, buchu has been comparatively free from speculation in this market, but some has doubtless been done at the source. With the increasing demand, or rather, the returning demand for buchu which was mentioned above, large manufacturers and wholesale drug houses have been taking advantage of the present depression to buy and considerable strengthening has already been evident. Present prices are generally recognized as very low when primary markets are considered and even now some dealers are holding out for seventy cents a pound which is generally conceded to be a fair price in the present market for the commodity. Predictions have been heard that the price will reach eighty cents before the year is out, and considering that prices did reach that figure once or twice last year, it would not be surprising.

DRUG AND FINE CHEMICAL SECTION

Drug and Chemical Notes

E. Atkins & Co., 90 Wall st., New York, have appointed Henry L. Grund Co., 416 Bulkley Building, Cleveland, O., agents for the distribution of alcohol in Ohio south to Columbus.

The Prohibition Unit has granted authority for the substitution of nine pounds of salicylic acid for nine pounds of sodium salicylate called for in Formula 39 in the latest publication of Specially Denatured Alcohol formulae.

Charles G. Merrell, president of William S. Merrell Co., Cincinnati, was in Washington, last week attending the thirteenth annual meeting of the Chamber of Commerce of the United States as National Councillor representing the American Drug Manufacturers Association.

The governor of Martinique has introduced a system of bonuses to encourage the growth of coffee, cocoa, cotton, tobacco and vanilla plants, the bonus to be 0.30 francs per plant payable at the first crop, provided the plantation is large enough to claim a minimum bonus of 2,000 francs.

Jonas L. Girth, of Amecousema American Trading House, 25 rue St. Augustin, Paris, France, dealers in crude drugs and cuttlefish bone will sail on the steamship "Aquitania" on May 30 on a business trip to the United States. He expects to remain during the month of June and can be reached by mail at 23 W. 184th st., New York City.

The Czechoslovakian government proposes to refund all expenses incurred in the growth of medicinal plants, such as cost of seeds, and fertilizers in order to encourage the cultivation of these plants. They also are issuing a special note book containing hints on the cultivation and harvesting of these plants together with a list of average prices and firms purchasing them, says the "Chemist & Druggist," London.

The drug and chemical trade was represented at the 13th annual meeting of the United States Chamber of Commerce by S. L. Hilton, National Drug Trade Conference; Charles L. Reese, Manufacturing Chemists Association; H. H. Robinson National Wholesale Druggists Association; Charles G. Merrell, American Drug Manufacturers Association; Carroll D. Smith, American Pharmaceutical Manufacturers Association.

Indictments against three business concerns and 23 individuals were returned by the Federal Grand Jury in Newark on May 19 on a charge of defrauding the Government of \$250,000 in taxes by diverting industrial alcohol to a bootleg ring. The firms under indictment are Meridian Industrial Alcohol Co., 321 Washington st., Newark; Primo Motor Freight Co., Newark; and De Nitti Chemical Corp., also known as Sherlow Chemical Corp., 136 Liberty st., New York.

Chinese management of the camphor industry is now coming to the fore and replacing Japanese control according to Percy L. Bryant who gave a lecture on Chinese Camphor and Camphor Oil, reported in the "Shanghai Times." When the camphor industry first became of importance, the Japanese worked rapidly into the field of development, but restrictions placed by the various provincial governments are gradually bringing the control back into the hands of the natives.

OLIVE OIL PRICES DECLINE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Genoa, Italy, May 16.—Strong reductions in olive oils coming from all sections of Italy especially from the Riviera, Bitonto, Molfetta, Calabria, Sardinia, Tuscany, Lecce and Abruzzo, are reported. Quotations per 100 klos are: Riviera Ponente fine new, lire 840 to 860; Bari extra, lire 890 to 900; Bitonto extra, lire 915 to 920; Molfetta extra, lire 925 to 930; Calabria extra, lire 890 to 900; Sardegna fine, lire 880 to 900; Toscana fine, lire 895 to 910; Lecce fine, lire 880 to 890; Abruzzo fine, lire 885 to 895; refined olive oil, lire 850 to 860.

Quotations for foreign olive oils c.i.f. Genoa, are as follows per 100 kilos: Tortosa olive oil, pesetas 260 to 265; Aragona olive oil, pesetas 270 to 290; Borjas olive oil, pesetas 270 to 280; Andalusian olive oil, pesetas 250 to 255; Malaga olive oil, pesetas 215 to 220; Refined Spanish olive oil, pesetas 235 to 240; Tunis olive oil, first quality, francs 675 to 680; second quality, francs 635 to 640.

LITHUANIA HAS NEW CHEMICAL TARIFF

The new Lithuanian customs tariff provides for duties on the following drugs and chemicals at the rates indicated in litas per kilo:—Compound medicines, galenical preparations, pharmaceutical specialties, 6.00; salvarsan, 10.00; serums and vaccines, duty free; opium, 5.00; glycerin, 0.30; castor oil, 0.25; vanilla and saffron, 12.00; cardamoms and nutmegs, 6.00; cloves, cinnamon, ginger, star anise, etc., 1.00; pepper, pimento and laurel leaves, 0.20; dried herbs for medicinal use, entire, 0.30; camphor, 1.50; crude borax, 0.03; refined borax and boric acid, 0.10; benzoic, formic, citric, salicylic, tartaric and phosphoric acids, 0.10; oxalic acid and oxalates, 0.50; iodine and iodides, 5.00; bromides, 0.80; caffeine and quinine, 3.00; opium alkaloids, strychnine, atropin, cocaine and veratrine, 20.00; bismuth and mercury compounds, 1.50; antipyrine, phenacetin, salipyrin, sulfonal, trional, salol, guaiacol, pepsin, peptone, creosote and their derivatives, 2.00; santolin, 6.00; chemical and pharmaceutical products not specifically enumerated, 1.00; essential oils and natural and synthetic perfumes, 6.00.

Arrivals of materials from the Orient at Seattle on recent steamers, according to the "Journal of Commerce," are: May 4, President Jackson, 20 cases of camphor for McKesson & Robbins, 214 cases of albumen for D. L. Moss & Co.; May 8, Africa Maru, 2 cases menthol for W. J. Bush & Co., Montreal Branch; May 3, President Lincoln, 5 bales agar-agar for W. R. Grace & Co., and 25 bales isinglass for M. Hatae & Co.

Robert F. Spalding, formerly in charge of the special sales department of Norwich Pharmacal Co., Norwich, N. Y., has joined the sales staff of McLaughlin, Gormley & King Co., Minneapolis crude drug millers, and will cover the territory east of Chicago with headquarters in that city.

Major Horace W. Bigelow, general counsel of the American Drug Manufacturers Association has been called to Washington on temporary active duty in the army. He has been attached to the office of the Surgeon General. It is expected that he will be there for about ten days.

The Willard Gibbs medal for 1925 was presented to Dr. Moses Gomberg, professor of organic chemistry at the University of Michigan, for his fundamental work in organic chemistry, at a meeting of the Chicago section of the American Chemical Society, on Friday, May 22.

DRUG AND FINE CHEMICAL SECTION

BULGARIAN ROSE CONFERENCE FAILS

Producers and Distillers Still Far Apart on Prices to be Paid for Flowers—Odds Favor Producers

The second conference between the Bulgarian rose cultivators and the distillers of otto of rose was held April 12 in the city of Karlovo, the previous one having failed to bring any agreement between the two parties as to the price to be fixed for the 1925 rose crops, says W. G. Ungerer, of Ungerer & Co., New York. Like the first, this conference was held under Government auspices, being attended by representatives of the minister of Agriculture and the Bulgarian Chamber of Commerce. Also like the first, it failed of accomplishing its purpose.

Botu Pappazoglou & Co., whose distilleries are located at Dovadjova-Hissar (Karlovo), Kazanlik, Karlovo, Rahmanlari, Golemo and Selo, write their American representatives, Ungerer & Co. that while the large distillers are practically a unit in holding to the price paid last year of 8.40 Levas per kilo for the flowers, the cultivators have reduced their pretensions only moderately and hold out for 11 Levas. One distiller is refusing to cooperate with the others and insists upon reserving the freedom of bidding for flowers as he pleases which will tend to upset the market and gives the producers a better chance of winning their point.

MEDICAL MANUFACTURERS MEET JUNE 7

The United Medical Manufacturers of America will hold their fourth annual convention at the Hotel Statler, Cleveland, on June 7, 8 and 9. The principal theme of the convention will be the need of presenting a united front to those who are attacking the industry and who have in some cases succeeded in destroying certain branches of it. Speakers have been selected who know the workings of enemies of the industry and are also familiar with the daily problems, and will offer suggestions for their solution. Ample provision has been made for the entertainment of delegates and guests.

MONSANTO SENDS OUT DESK PAD

Monsanto Chemical Works, St. Louis, have just sent out to their trade a new desk memorandum pad in a bronze holder. On the spring clip of the holder is a medallion with the Monsanto name and city in bronze on a blue enameled background. Each sheet of the memorandum pad carries the line "From the desk of" with the individual's name printed just below. The holder is backed with green felt to prevent scratching of desk surfaces. Each month, new refill pads will be sent to the owners of the bronze holders.

Jesse E. Baker, president of Maryland Drug and Chemical Co., and William Cohn, a member of the corporation, whose place on South Charles st., Baltimore, was raided by prohibition agents some months ago, and who are both under indictment for conspiracy and bribing a dry agent, were before Judge Soper, in the United States Court at Baltimore, on May 19, and asked to be allowed to plead guilty to the charges. Both men were released under \$500 bail on each charge. Twelve persons are under indictment as a result of the raid and the subsequent investigation.

The exports of citronella oil from Ceylon during 1924 amounted to 1,433,381 pounds, valued at 2,941,291 rupees, of which 545,352 pounds went to the United Kingdom, 108,644 to British possessions, 571,463 to the United States and the remainder to other countries.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals see Chemical pages 1578-1603

QUICKSILVER AND CODLIVER OIL HIGHER

Both Firmer Abroad—Market Otherwise Shows Few Changes—Actual Trading Good But Not Spectacular—Domestic Goods Hold Preeminence in This Market—Glycerin Stronger

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Acid, Tartaric, imp., 1c lb.	Glycerin, 1/4c lb.
Codliver Oil, \$2.50 bbl.	Mercury, \$1.00 flask.
Cream Tartar, imp., 1c lb.	Saponin, 10c lb.
Declined	
Alcohol, Isopropyl, ref., 75c gal.	Zinc Stearate, 2c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid .....	.35	.35	.35	.32	\$2.00	.20
Acid Citric Import .....	.46	.45 1/2	.45 1/2	.47	1.25	.45
Caffeine, Alkaloid	3.75	3.75	3.75	3.65	18.00	3.65
Calomel, American	1.37	1.37	1.37	1.22	3.43	.90
Camphor, Jap., ref. ....	.75	.75	.75	.73	3.55	.41
Iodide, Resublimed	4.65	4.65	4.65	4.40	5.00	3.75
Menthol	10.75	10.75	11.00	12.25	18.50	3.00
Potassium Bromide, Cryst. .48	.48	.48	.33	4.30	.80	
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.57 1/2	.57 1/2	.57 1/2	.63	1.05	.50
Average	2.272	2.272	2.207	2.26	5.92	1.56

Some divergence of opinion is in evidence among dealers in fine chemicals as to the exact status of the market. In practically all instances orders are considerably smaller indicating that consumers are buying on a hand-to-mouth basis. But consumption continues about the same so that orders are appearing oftener than they were when consumers bought ahead so that the average volume of goods passing into consuming trades is about the same as it has been. Importers are suffering to a certain extent as domestic producers seem to control the market in most items, being able in a large number of cases to sell at prices under foreign competition. Outstanding features of this week's market are sharp advances in quicksilver and codliver oil, the first due to control of the production of certain large mines, and the second due to shorter production than last year. Otherwise, with a few exceptions, prices continue unchanged, seeming to indicate that the market is in a stable position with most of the trading in the way of actual selling to consuming interests with little speculation in evidence.

Acetanilid—This commodity continues unchanged with little demand in evidence and prices steady.

Acid, Acetylsalicylic—There has been no change in this situation with prices firm.

Acid, Benzoic—Little change is seen with regard to this item, prices being firmly maintained and demand being of a routine nature.

Acid, Citric—Fairly good sales have been reported at unvaried prices and market steady. Sales have been confined principally to the domestic article.

Acid, Diethylbarbituric—Market continues quiet for this item with prices well established and demand not very great.

Acid, Phosphoric—There have been no new develop-

ments in this situation with prices steady on an inactive market.

Acid, Salicylic—Activity continues to be fair with no change in evidence with regard to either prices or demand.

Acid, Tartaric—This acid is reported to be firm, both here and abroad with imported up to 28c @ 29c lb., and the domestic unchanged at 29c lb. Shipment prices are above spot.

Alcohol—Demand is on the increase with resale prices at 40c @ 41c gal in drums and 46c @ 47c in barrels for No. 1 denatured. Makers and their agents are holding firm to schedule prices which they expect to make good on an increasing demand later in the year. Contract prices are 50 1/2c for No. 1 and No. 5 and 49 1/2c for No. 6 in drums by the carlot.

Alcohol, Isopropyl—Price for the 90-91% remains unchanged at \$1.00 @ \$1.25 with the 98-99% now down to \$1.25 @ \$1.50 gal.

Aloin—No new developments are seen for this item with demand normal and prices steady.

Amidopyrine—The condition of this market is unchanged with prices steady on an inactive demand.

Antipyrine—Reported in better demand with prices unchanged.

Bay Rum—Demand for imported continues to be good with prices well established at 90c @ 95c. Imported synthetic bay rum is unchanged at 75c @ 77c gal.

Bromides—The market is not very active but stocks are also low and positions are regarded as fairly strong. There is no imported ammonium bromide available and very little sodium. Prices continue at former figures of 50c @ 54c lb. for ammonium, 42c @ 44c for sodium and 37 1/2c @ 40c lb. for potassium with domestic at unchanged levels.

Caffeine—There has been no change in this market with prices and demand both steady.

Camphor—Although quotations of 73c @ 74c lb. were heard for Japanese slabs last week the market is fairly steady at 75c lb. now, with one ounce and half ounce tablets at 90c @ 91c lb. and American refined slabs unchanged at 84c lb. The recent earthquake in Japan was not in the zone to affect the camphor market although shipments may possibly be delayed a bit.

Codliver Oil—With late figures for the catch considerably below last year's figures, the price of the oil from Norway is much higher and the local spot market has advanced accordingly. It is doubtful if any oil could be bought for less than \$32 a barrel now although some rumors are heard of \$31.50 barrels. Shipment prices are up to \$33.

Cream of Tartar—Imported cream is now generally quoted at 21 1/2c lb. due to stronger positions abroad, with domestic unchanged at 22c @ 22 1/2c lb.

Epsom Salts—There has been no change in the price of the U.S.P. although the situation is said to be stronger for the imported material.

Formaldehyde—Dealers are looking for a decline in price for the U.S.P. formaldehyde, due to the recent decline in wood alcohol, which in turn was brought

about by the importation of synthetic material from Germany at considerably under the costs of the domestic wood distillers. As yet, however, prices are unchanged at 9c @ 9½c.

Fusel Oil—Active demand, with equally active competition among sellers keeps the price of this commodity unchanged.

Glycerin—This situation has firmed up somewhat since recent weakness and decline in prices, and prices have now recovered to 19c lb. for the C.P., 12c for the soap lye and 13¼c for the saponification with dynamite unchanged at 18c @ 18¼c lb.

Haarlem Oil—Dealers are expecting an advance in the imported following the recent advance in domestic to \$3.25 a gross, but at present foreign oil is still obtainable at \$3.75 @ \$4.00.

Menthol—The local market is unchanged at \$10.75 with practically no demand at that figure. Most dealers feel that there is no money to be made in menthol at that price.

Mercury—Pursuing the course indicated last week, quicksilver has now advanced to \$82.50 @ \$83.00 flask and the market is strong at that price.

Methanol—The market continues shaky with another importation of 260 casks of synthetic German material received last week. So far none of this material has been offered to the market but the demoralizing effect is none the less evident. There has been no further price change since recent decline to 67c for the pure alcohol.

Papain—In spite of reports of \$3.00 for the refined papain, the market is still steady at \$2.75 @ \$2.90 with the crude at \$2.30 @ \$2.40.

Saponin—This product is reported higher at \$1.00 @ \$1.10 lb.

Thymol—Continues strong at \$3.60 @ \$3.90 lb. with some reports of \$3.65 as an inside figure.

Meyer Bros. Drug Co., St. Louis, has been awarded a government contract for the following:—3,000 aspirin tablets, \$24.35; 10 lbs. boracic acid, \$2.47; 12 pts. castor oil, \$5.94; 4,800 calomel soda triturations, \$6.55; 36 belladonna plasters, \$3.89; 12 tubes mustard plaster, \$1.31; 5,000 capsules quinine sulfate, \$49.50; 30 lbs. epsom salts, \$1.93; 12 pts. iodine tincture, \$6.53; 40 tubes unguentine, \$13.66 and 3 bbls sulfur, \$36.98.

The Remington Honor Medal, bestowed annually by the New York Branch of the American Pharmaceutical Association, went this year to Dr. Henry M. Whelpley, dean of the St. Louis College of Pharmacy. The award was made at a dinner given by the New York Branch on May 25, which was attended by pharmacists of many cities.

There are now 239 workers in pharmaceutical research according to the results of a national census covering schools, government agencies, manufacturing and retail pharmacists made public by Dr. H. V. Army of New York, past president of the American Pharmaceutical Association.

The executive committee of the Manufacturing Chemists' Association has voted to endorse the tentative sieve series proposed by the American Society for Testing Materials, and to favor the adoption of sieve scale designation in terms of free openings expressed in microns.

Park & Tilford have acquired the Overholt distillery and 1,800,000 gallons of whiskey for medicinal use. The price paid is said to be \$5,000,000.

BROMIDES AGAIN ADVANCE IN LONDON

Prices Higher Also for Antimony, Rubber and Shellac—Pepper, Oil Lemon and Cloves Firmer—Easier Market in Oxalic Acid, Salicylic Acid, Creosote Oil, Senega Root and Phenacetin.

(Special Cable to DRUG & CHEMICAL MARKETS)

London, May 27—Higher prices are announced for bromides, antimony, rubber and shellac.

The market is firmer for pepper, oil lemon and cloves.

The situation is easier in oxalic acid, senega root, salicylic acid, creosote oil, red lead, white lead and sal ammoniac.

The Drug Auctions will be held on Thursday, May 28th.

London, May 16, (By Mail)—Chemical market sales continue to favor buyers. At the Amsterdam monthly auction on May 5th, sales of cocoa butter realized higher prices than last month. Van Houten's "A" grade fetched 72.54 cents per half-kilo compared with 69.28 cents last sale.

Bismuth Metal and Salts are very firm, but unchanged. It is reported that the foreign demand is not fully satisfied out of current supplies of the metal.

Hydrastis is again higher at 21s per lb in keeping with cables from New York.

Bromides continue firm, but prices are unchanged.

Carbolic Acid crystals are again easier at 4¼d to 4¾d per lb. f.o.b. in drums.

Saffron is about 7s 6d per lb. up at 130s per lb for best Valencia on stronger reports from Spain.

Camphor refined Japanese slabs are more freely offered spot 2s 9¼d per lb; To arrive 2s 8¾d per lb c.i.f.

Camphor Oil, light white, in cases and tins 60s per cwt. in drums 52s 6d per cwt.

Clove Oil, English, is lower at 5s 10d per lb.

Milk Sugar is cheaper Dutch 78s per cwt. in cases; quality U. S. A. in barrels 75s per cwt.

Valerian Root—Belgian shippers ask the higher price of 160s per cwt c.i.f. for new crop without business developing.

A bill recently introduced in the Alberta Legislature provides that no person shall sell or keep for sale any proprietary or patent medicine or any extract, essence, tincture, toilet water, or preparations which contain more than 2½ per cent of proof spirit, in the northern part of the Province of Alberta included within certain boundary lines described in the bill, says Assistant Trade Commissioner W. J. Donnelly, Ottawa, in a report to the Department of Commerce.

Prohibition officials are planning to revise regulation 61 relating to the manufacture, use and control of specially denatured alcohol with a view to making enforcement more effective. Drafts of the proposed revision have been sent to members of the Alcohol Trade Advisory Committee, and a conference will be held in the next few weeks.

Reports from Norway state that the total catch of cod for the season up to May 6 was 41,900,000 with a yield of steam refined medicinal oil of 72,214 hectoliters, against a catch of 44,100,000 and a yield of 83,333 hectoliters for the corresponding period last year.

A royal order of Spain prohibits the importation of opium and coca and their derivatives in consignments exceeding 3 kilos in weight.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 1600-1605

RIO IPECAC ROOT DECLINES 15c lb.

Cartagena Root Unchanged—Lycopodium and Levant Wormseed Advanced—Matico Leaves Reported Scarce—Angostura Bark, 1924 Cascara Sagrada and Pelitory Root Easier—General Feeling Among Dealers—Better Business.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Althea Root, whole, 6c lb.	Japan Wax, 1/4c lb.	Angostura Bark, 4c lb.	Ipecac Root, Rio, 15c lb.
Digitalis Leaves, 1c lb.	Lycopodium, 3c lb.	Cascara Sagrada, 1924, 1/4c lb.	Pelitory Root, 5c lb.
Gelsemium, 1c lb.	Matico Leaves, 2c lb.	Culvers Root, 3c lb.	Skunk Cabbage, 1c lb.
Guaiaac Gum, 5c lb.	Worm Seed, Levant, 10c lb.		

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP .....	.33	.33	.33	.39	.90	.42
Buchu Leaves, Short .....	.65	.64	.59	.76	4.00	.85
Cantharides, Russian .....	.85	.85	.85	.90	9.00	2.10
Cocculus Indicus .....	.08 1/2	.08 1/2	.08 1/2	.03	.85	.03
Ergot, Spanish .....	.50	.51	.47	.31	4.50	.54
Insect Powder, pure .....	.40	.40	.40	.63	1.00	.28
Ipecac, Cartagena, Powd.	2.35	2.35	2.35	2.10	4.50	1.35
Nux Vomica .....	.05 1/2	.05 1/2	.05 1/2	.03	1.40	.07
Opium gum	12.00	12.00	12.00	9.00	30.00	5.00
Rhubarb Root, H. D. ....	.32	.32	.33	.30	1.75	.15
Tragacanth No. 1, ribbon	1.45	1.40	1.40	1.20	6.00	1.50
Wild Cherry Bk., thin mat. ....	.09	.09	.09	.11	.21	.07
Average	1.59	1.587	1.66	1.32	5.28	1.60

Transactions in the crude drug market have been fairly well distributed over the list and have been a means of moving parcels into consuming trades. While some dealers are complaining that business is not what they would like, all admit that they are doing business and in many instances dealers feel well satisfied with the condition of their business. Most of them report that the month of May has been better in volume of trade than April, and in one or two instances, the statement was made that the fiscal year closing the first of next month will show a better balance sheet than the previous year. Few people are contracting ahead for purchases and sellers have to make more effort when soliciting business. While smaller lots rule, the orders come just that much oftener and the actual volume of business is not much if any lower than last year. The principal price changes of interest to the trade include a fifteen-cent decline in Rio ipecac root, with lycopodium and wormseed higher and matico leaves reported scarce. Several other advances were recorded and a few declines also took place.

Agar Agar—Routine demand continues with prices unchanged.

Althea Root—The whole root is now quoted at the advanced price of 28c @ 30c lb. with the cuts unchanged at 65c @ 75c lb.

Angostura Bark—Demand for this bark is easy with price reduced to 16c @ 20c lb.

Arabic Gum—The market for this gum is fairly active and prices are firm at former figures. No change is expected for awhile although higher prices may prevail during the summer.

BARKS AND FINE CHEMICAL SECTION

Arrowroot—Prices remain unchanged at recently announced figures with demand of a routine nature.

Balsams—The situation with regard to the balsams shows no change, prices remaining steady at recently announced figures of 54c @ 55c lb. for Para copaiba, 56c @ 58c for South American copaiba, \$11 @ \$12 gal. for Canada fir, and \$1.00 gal. for Oregon fir, with Peru at \$1.85 @ \$1.90 and Tolu at \$1.45 @ 1.55 lb.

Belladonna—The root is reported easier at 16c @ 18c lb. with leaves unchanged at 25c @ 27c lb.

Buchu Leaves—Some dealers are refusing to let their goods go at less than 70c lb. which is generally considered a fair price based on primary markets, but the general quotation on the market is 65c lb.

Burgundy Pitch—This market is reported firmer with prices maintained at prices announced last week.

Cardamoms—The situation with regard to these seeds is firm and prices show no tendency to change.

Cascara Sagrada—Little new interest is shown in this commodity with 1924 peel now quoted at 14c @ 15c lb. Advance prices from the coast for 1925 peel range around 9 1/2c @ 10c lb.

Culver's Root—An easy condition exists for this item with present quotations at 19c @ 20c lb.

Damiana Leaves—There has been no relief in this situation with leaves still quoted at \$1.25 lb.

Dandelion Root—Holders are not anxious to carry stocks over the summer and the market is now considerably easier. Prices remain at 19c @ 20c lb. although if a firm offer were made at a lower figure, it might possibly be met.

Digitalis Leaves—A firmer condition exists for these leaves which are now quoted at 10c @ 11c lb.

Ergot—Reports of strengthening in this item seem to be illusive as this week's market finds quotations still ranging around 50c lb.

Gelsemium—This root is somewhat stronger at an advanced price of 12c @ 13c lb.

Golden Seal Root—This root is still strong at the recently advanced price of \$5.10 @ \$5.15 with the ground at \$5.25 @ \$5.40 as to holder.

Guaiaac Gum—A much stronger position exists for this gum at the advanced price of 40c @ 42c lb.

Ipecac—The Rio root is now obtainable in large quantities at \$1.90 lb. with smaller quantities available at \$1.95. Cartagena root is unchanged at \$2.05 with the powdered at \$2.30 @ \$2.40 lb.

Japan Wax—A quarter cent advance is reported for this product, the new price being 15 3/4 @ 16c lb.

Larkspur—Prices are maintained at the high figures of \$4.00 @ \$6.25 as to holder with very little buying interest in evidence.

Lycopodium—This item continues to strengthen and most holders are now naming 85c @ 95c lb.

Matico Leaves—Some added inquiry was around last week and the price went up to 14c @ 15c lb. with some rumors of still higher prices.

Pelitory Root—The market is easier at 19c @ 20c lb.

Rhubarb Root—The price continues firm in sympathy

thy with the conditions in the primary market but actual buying in this country is not very great.

Saffron Flowers—The Spanish flowers are again reported firmer, the general quotation now being \$32 @ \$33 lb. with American Safflowers unchanged at 40c @ 45c lb.

Saw Palmetto Berries—All holders are now asking 40c @ 45c lb. for this article with very little in stock.

Skunk Cabbage—The market for this item is easier with prices named at 13c @ 16c lb.

Valerian Root—Although lower prices were heard for shipment this week, the spot market continues to quote this root at 45c @ 60c lb.

Wormseed—The American seed is unchanged at 8c @ 8½c lb but the Levant seed has advanced to \$2.95 @ \$3.05 lb.

Robert R. Ellis, president of Hessig-Ellis Drug Co., Memphis, Tenn., in an address before the National Association of Commercial Organization Secretaries attending the meeting of the Chamber of Commerce of the United States, at Washington, D. C., last week, said that recognition of the moral as well as the civil law by local business men was an essential in the trade development of a community. He then outlined the relations of the Chamber of Commerce of the United States to business interests.

American Chicle Co. officially has notified the New York Stock Exchange of its intention to create a new issue of 37,500 shares of no par value cumulative preference stock, and an increase in the common capital stock from 162,500 to 187,500 shares. The proposed increase in capital stock is to liquidate all bank loans and other indebtedness and to obtain additional working capital.

The production of alcohol in France during the first two months of 1925 has continued on approximately the same ratio of increase over 1924 as was maintained during the first three months of the present season, according to U. S. Trade Commissioner Reagan, Paris.

The Indian Government has exempted from import duty, all opium imported by the Government through the ports of Calcutta, Madras, Bombay, Karachi, Ali-bag, Ratnagiri, Karwar and all ports in Burma.

Ralph Renouf, of Dickinson & Co., 200 Fifth ave., New York, who specialize in alcohol, is in New Orleans, on his annual trip to confer with alcohol producers of the South and West.

L. H. Carlson, representative for Ungerer & Co., New York, in the Detroit territory, spent last week in New York with his bride who was formerly Miss Ann Savarin of Cleveland.

Smith, Kline & French Co., Philadelphia held a druggists' merchandise fair at the Hotel Bellevue-Stratford, recently, in co-operation with manufacturers of drug store specialties.

Exports of indigo from India during the three months from December 1924, to February, 1925, were 71,300 lbs. of which most went to Egypt, Persia and Mesopotamia.

Salicylic acid may be used instead of sodium salicylate in specially denatured alcohol formula No. 39, by a ruling of the Bureau of Internal Revenue.

Raymond Chemical Co., Brooklyn, N. Y. has been awarded a government contract for 25 lbs. of gum tragacanth at \$1.08.

RULES ON REVOCATION OF PERMITS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C. May 27.—David H. Blair, Commissioner of Internal Revenue, has issued the following announcement to prohibition directors in connection with a review of revocation proceedings. He says:

"On and after May 21, 1925, in revocation proceedings brought under Sections 5 and 9, Title II, of the National Prohibition Act, the decision of the assistant or agent of the Commissioner of Internal revenue authorized to preside at the hearing, shall be final, when rendered in conformity with Article XIX of Regulations 60, or pursuant to the authority specially delegated to him, except in the following cases:

"(1) Where the charges are sustained, and after applying in writing for a re-hearing within ten days from the date of mailing to him of notice of the decision, and being denied the same, or granted a re-hearing and denied favorable action thereon, the respondent has within thirty days from the date of mailing to him of notice of either such denial, filed with the Director, or with the Prohibition Commissioner in cases where the decision is rendered pursuant to authority specially delegated, a written notice of appeal to the Commissioner of Internal Revenue, setting forth the grounds upon which he seeks the reversal or modification of the original decision or that rendered on re-hearing. The decision on appeal in such case shall extend only to the errors of law and fact raised by the appeal.

"(2) Where the charges are dismissed and the record of the hearing fails to disclose substantial evidence warranting such finding.

"A Board of Review, the members to consist of H. W. Orcutt, Chairman, Julian Sharpnack and V. Simonton, any two of whom shall constitute a quorum is hereby established, which Board shall, in the name of the Commissioner of Internal Revenue, and to the extent herein provided, review all hearings subject to review under these regulations, make such finding of law and fact as the case may warrant, and enter a final order affirming, modifying, or reversing the original decision or that rendered on re-hearing; and to that end the Board may from time to time adopt rules and by-laws, not inconsistent herewith, which, when approved by the Commissioner of Internal Revenue and published, shall constitute a part of these regulations.

"All regulations of this Department inconsistent herewith are repealed to the extent of such inconsistency."

A law was put into operation in Egypt on April 20, 1925, which regulates the importation, sale and exportation of narcotics, say consular advices to the Department of Commerce. The importation and exportation of narcotics can be made only under special license granted by the Department of Hygiene and in the case of imports such license will be issued only to pharmacists, proprietors of chemical laboratories, doctors and other authorized persons. The importation of medicinal opium containing less than 10 per cent of morphine is strictly prohibited, and all imports of medicinal opium must be accompanied by a manufacturer's certificate showing the amount of morphine.

A Spanish Royal decree, signed May 18, provides for the exportation of olive oil without payment of export duty only when the containers carry a registered national trade mark, thus avoiding the sale of Spanish oil as though of other origin, according to a cablegram received by the Department of Commerce, from Commercial Attache Charles H. Cunningham, Madrid.

The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 1605-1606; Aromatic Chemicals, 1606

LEMON AND ROSEMARY OILS HIGHER

Sharp Advance in Lemon Shipment—Rosemary Production Small Thus Far—Orange Cables Higher—Citronella Firmer—Better Demand for Spot Peppermint—Cheap Imported Benzaldehyde Offered.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Anise, USP., 2½c lb.	Oil Lemon, Ital. 5c lb.
Oil Bay, 10c lb.	Oil Orange, Ital., 15c lb.
Oil Citronella, Ceylon, 1c lb.	West Indian, 5c lb.
	Oil Rosemary, 5c lb.
Declined	
Oil Bergamot, 10c lb.	Oil Lemongrass, 10c lb.
Oil Cassia, Tech., 10c lb.	Oil Spearmint, 10c lb.
Oil Geranium, Afr., 25c lb.	Oil Wormseed, 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$ 3.40	\$ 3.50	\$ 3.50	\$ 3.90	\$ 7.00	\$ 5.00
Oil Citronella, Ceylon .....	.66	.65	.65	.82	1.02	.60
Oil Cloves	1.70	1.70	1.75	1.80	3.70	1.40
Oil Lemon, Italian	1.00	.95	.95	.85	1.70	2.00
Oil Peppermint, Nat.	13.00	13.00	13.25	4.25	9.00	2.24
Oil Sandalwood, E. I.	7.00	7.00	7.00	6.50	14.00	5.25
Oil Sassafras, Artif. ....	.27	.27	.27	.35	1.00	.26
Benzaldehyde U.S.P.	1.30	1.30	1.30	1.50	5.15	1.50
Coumarin	3.25	3.25	3.25	3.85	31.00	3.10
Methyl Salicylate, Cans....	.47	.47	.47	.47	1.00	.90
Vanillin .....	.49½	.49½	.49½	.54½	.95	.20
Average	2.93	2.93	2.95	2.27	6.83	2.05

Demand has been slightly better this week in the essential oil market. Increased inquiry, however, took second place to a series of sharply higher cables which brought price advances in a number of items on spot. Foreign prices for lemon, orange, rosemary, citronella, bay, and rose, all showed an advance. The one remaining low spot seller of lemon moved the price up in line with the balance of the market. A significant development during the week was an increase in the demand for spot peppermint oil and some buying from small remaining country stocks for prompt shipment at high prices. Shipments of cheap German benzaldehyde to the American market tended to weaken the position of this item somewhat although makers' prices are unchanged. Rose oil continues to present a very strong front. Easier prices are noted in lemongrass, wormseed, and spearmint. Altogether, the undertone of the market was considerably firmer.

Essential Oils

Oil Almond—U.S.P. bitter oil at \$3.00 up as to quality and quantity. Free from prussic at \$3.15. True sweet almond in a big way at 80c, ranging to 95c as to brand and quantity. Peach kernel oil continues strong at 50c with stocks limited.

Oil Anise—Sellers of U.S.P. oil at 60c appear to have moved up to 62½c inside, as no sellers at the lower figure were encountered. The price ranges to 65c in other quarters. Demand is routine. Technical oil from 57c to 60c lb.

Oil Bay—Firmer with a tendency of the price to creep up. Inside now seems to be \$2.25 lb. against offers at \$2.15 last week. Range to \$2.50 as to seller. Shipment is higher.

Oil Bergamot—Continues soft and unchanged in spite

of firmer position of other Messina essences. Price in some quarters lower at \$3.40 lb. although generally held at \$3.50 and up to \$3.75 as to seller, brand, and quantity. Demand very quiet.

Oil Cassia—U.S.P. is holding at \$2.35 lb. spot for cans with demand not showing anything out of the ordinary. Technical is available at slight concessions under formerly quoted figures, \$1.90 lb. and \$1.95 having been named.

Oil Cedar Leaf—Some sellers have injected the quality question quite strongly and insist that good cedar leaf must command 90c inside, which figure they quote. Down to 80c is named on spot, however, in other quarters. Cedarwood holds dull and quiet at 57½c @ 60c lb.

Oil Citronella—Position remains very strong based on high cables for shipment which are reported to approximate spot prices. On spot, inside this week is 66c lb against 65c last week for drums. Cans are inside at 68c ranging to 70c as to quantity. Demand is quiet. Java oil at \$1.00 inside with one seller naming up to \$1.20.

Oil Cloves—Quietness continues and undertone is easy although no change in price is noted. Spot cans named at \$1.70 and \$1.75 lb. as to seller.

Oil Erigeron—The easiness on spot continues and prices are soft at \$3.25 lb. with little demand.

Oil Geranium—Spot position is weaker and some shading of prices on firm business is noted. Down to \$5.00 lb. is indicated for a good quality spot African rose, ranging up to \$6.00 as to quality. Some special grades are commanding figures above this level. Bourbon easier at \$4.50 lb.

Oil Lemon—The feature has been the strengthening of lemon oil on sharply higher cables from Sicily. Practically all cables this week bring laid-down cost at New York over the dollar mark. Late last week, most sellers had moved to 97½c inside and \$1.00 or higher. Early this week found nothing under \$1.00 and some brands up to \$1.05, \$1.10, and \$1.20. Spot demand, although it is better, has not shown a marked expansion.

Oil Lemongrass—Little interest is noted in lemongrass and prices are slightly lower on spot at \$1.00 lb.

Oil Orange—Firmer prices are noted in all directions on orange, based on higher cables, in spite of the very apparent weakness in this market last week. Spot Italian oil is up to \$2.65 lb. inside with sellers ranging all the way to \$3.00 lb. as to brand and quantity. Sales were made last week at \$2.50 which shows the relative upward movement. West Indian oil is held at \$2.55 which is slightly higher. Demand is somewhat larger.

Oil Peppermint—More business has been done in spot peppermint oil this week. Demand for both spot and prompt shipment from the country at high prices, showed considerable activity. Talk of \$20.00 peppermint was heard quite commonly as soon as demand picked up. The present situation is decidedly uncertain and anything is liable to happen in a market in-between seasons and literally charged with dynamite. If any number of consumers are forced into the market

for any quantities of oil to carry them over, the entire consuming group can prepare to "pay the fiddler." No shipment sales from 1925 distillation have been reported this week. The country is reported to have named \$5.50 lb. firm and refused to shade. On spot, natural oil is still named at \$13.00 lb. in cases; U.S.P. is \$13.75 up to \$14.25.

Oil Rose—Continues very strong with advices from Bulgarian bullish. Spot oil, standard brands, at \$9.50 @ \$10.00 oz. Other oil as to quality at \$8.00 up to \$9.00 oz.

Oil Rosemary—Sharply higher cables brought an immediate reflection in the spot market and cheap sellers moved prices up. Inside on spot for a U. S. P. rosemary is 45c with 48c and 52c being quoted in several instances. Technical oil at 38c. Reports of distillation in primary markets indicate a very scanty production this year and the likelihood of higher prices later on.

Oil Spearmint—Again easier this week at \$3.90 lb. and no demand.

Oil Wormseed—Spot position is none too firm and a tendency to shade prices is noted. Spot oil quoted at \$3.10 @ \$3.25 lb.

Aromatic Chemicals

Benzaldehyde—Reports of imports of cheap German benzaldehyde have tended to soften the position of this material although the quality of the imported is said to be questionable in some cases. Spot goods, indicated U.S.P., named at \$1.00 @ \$1.10. Makers still quote \$1.30 lb. inside for U.S.P.

Menthol—Dull without change. The price appears to hold at \$10.75 for cases; \$10.90 for less. Few imports noted this week to various holders. Competition holds price at current level. Any concentration of stocks would mean higher prices.

PRICES ON PERFUMERY PRODUCTS

Quotations on the Milan market for synthetic products used in perfumery are as follows per kilo: Benzyl acetate, lire 42; terpenyle acetate, lire 90; benzyl alcohol, lire 38; liquid artificial amber, lire 300; ambrolene, lire 210; carvol, lire 800; citral, lire 160; cithrene, lire 32; citronella, lire 280; clematite, lire 450; crystallized coumarin, lire 230; heglantine, lire 300; crystallized heliotropine, lire 120; eucalyptol, lire 60; eugenol, lire 175; limonene, lire 70; neroline, lire 50; saphrol, lire 30; terpineol, lire 38; thymol, lire 200; vanillin, 100% lire 350; wintergreen, lire 36, yara yara, lire 40.

The Chicago Drug and Chemical Association will give a luncheon at the Hamilton Club on May 28, and F. E. Leonard, of the Illinois Bell Telephone Co. has been invited to explain to members how to use the phone especially for alibi purposes when a member wishes to telephone that he won't be home to dinner. Recently a LaSalle street broker telephoned that he was engaged in a big bond deal and the Swedish maid told his wife that he was detained by a big blonde. Every member in the association is expected to hear Mr. Leonard's instructions on how to put the message across correctly.

Marston T. Bogert, Department of Chemistry of Columbia University, is delivering a lecture on "Science and Art in the Perfume Industry" before sections of the American Chemical Society in the middle west. Lectures have been given in Pittsburgh, Columbus, Cincinnati, Indianapolis, Lafayette, Ind., Urbana, Ill., St. Louis, and Columbia, Mo. The final lecture is to be given at Iowa City on May 29.

MANY ESSENTIAL OILS SCARCE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, May 16—Essential oil obtained from angelica roots is in fair demand. Chinese Anis oil is quoted higher, anethole also has advanced. Essence of orange flowers produced in Sicily and Calabria also is in demand. Bay S. Thomas oil still is scarce. Blue chamomiles are only available in small quantities. Chinese cinnamon is higher and sales are few. Italian lavender oil maintains its price owing to the excellent quality this season. Italian peppermint oil is easily placed abroad, despite the competition of the American and Japanese products.

Quotations are as follows, per kilo: Angelica root, lire 1,000; angelica seeds, lire 1,300; anis, lire 48; orange flower, lire 3,800; basilicum, lire 850; artificial bergamot oil, lire 90; cajeput, lire 55; Roman chamomiles, lire 2,500; Ceylon cinnamon, lire 380; cardamom, lire 900; cedar fruits, lire 90; Ceylon citronella, lire 65; eucalyptus, lire 38; fennel, lire 80; cloves, lire 152; African geranium, lire 450; juniper, lire 60; Tuscan iris, lire 2,500; Aosta lavender, lire 280; artificial lavender, lire 200; cedar wood, lire 60; sandalwood, lire 500; lemongrass, lire, 70; Calabrian lime juice, lire 90; Piedmontese peppermint, lire 460; Italian petit grain, lire 260; Italian rose, lire 3,800; Italian rosemary, lire 28; mustard seed, lire 260; red thyme, lire 85; white thyme, lire 90; artificial wintergreen, lire 38; ylang-ylang, lire 800.

DEMAND FOR LEMON JUICE ACTIVE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, May 14.—The offers for lemon juice continue active, and orders are being booked from time to time, especially with foreign buyers. The demand for bitter orange oil is fair, sellers having made more favorable prices. Sweet orange oil finds a fair sale, as prices are easier. Bergamot oil is more stable. A fair number of sales have been noted. The demand for mandarine oil is not large, although better than in March. The following table shows the fluctuations in the prices per Sicilian pound during April and the first week in May:

	April 1. Lire	April 20. Lire	May 5. Lire
Lemon juice	10-11	9.80-10.80	9.50-10.50
Sweet orange	30-30.50	30-31	29.50-30
Bitter orange	30-31	29.50-31	29-30.50
Mandarine	80-82	80-82	80-82
Bergamot oil	53-54	53-54	53-54

During the first two months of this year there were exported from Italy 298,619 kilos of natural essences, value 16,520,767 lire, against 282,172 kilos during the same months of 1924, value 12,205,369 lire.

Milan, Italy, May 14.—Business in lemon juice is dull and few sales are made despite the continual offers of buyers. Prices are tending lower. The demand for sweet orange oil is light, most consumers keeping away from the market in the hope of lower prices. Bitter orange oil is declining in price. Mandarine oil, can be sold at higher prices than at the end of April. A fair number of orders has been received. The table shows the principal fluctuations during the last few weeks:

	Apr. 15 Lire	Apr. 22 Lire	Apr. 30 Lire	May 4 Lire
Sweet orange oil....	130-140	125-135	125-130	120-125
Bitter orange oil	125-135	120-130	120-125	115-120
Bergamot oil	205-215	200-205	195-205	195-205
Lemon juice .	50-55	47.50-52	47-52	45-50
Mandarine juice	350-370	335-350	335-355	335-355

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical, and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrines, sizes, and starches; fertilizer materials; accelerators and solvents, and miscellaneous products. Crude Drugs, including barks, herbs, roots, etc. Essential Oils, including oleoresins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallow, greases, and fats. All groups are in alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available,

and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID , tech. 150 lb. bbls.36	: .33	ACID		
100 lb. kegs.37	: .30	Butyric, 60% pure, 5 lb. bot.55	: .60
USP, 500 lb. bbls. . . . .	.35	: .37	90% . . . . .			.70	: .75
Second Hands . . . . .	.35	: .36	C.P. 100 lb. bot.			1.25	: 1.50
Acetic Anhydride			Camphoric USP, VIII 1 lb. bot.			5.50	: 5.70
85-90%, 107 lb. chys. . . . .	.38	: .40	Carbolic, USP crys. see also Phenol				
90-95%, 100 lb. chys. . . . .	.41	: .45	112 lb. tins . . . . .			.26	: .27
CP, 100 lb. chys. . . . .	.75	: .80	25 lb. tins . . . . .			.28	: .29
Acetone , CP 700 lb. drs. c/l wks.			5 lb. tins or bot. . . . .			.30	: .32
700 lb. drs. c/l wks. . . . .	.13	: .13 1/2	1 lb. bot. . . . .			.35	: .36
350 lb. drs. c/l wks. . . . .	.14	: .14	Liquid USP, 1 lb. bot. . . . .			.34	: .35
Tank cars, wks. . . . .	.12	: .12	Crude, 35% 50 gal. bbls. gal. . . . .			.33	: .35
Acetone , 50 gal. drums			10%, 50 gal. bbls. gal. . . . .			.27	: .30
Acetone (Oils, light, drs. wks. gal.	1.40	: 1.45	Carbonic, see Carbon Dioxide				
Heavy, drs. wks. gal.	1.40	: 1.45	Chloroacetic,				
Acetophenetidin, 225 lb. bbls.	1.80	: 1.90	mono 100 lb. bbls. wks. . . . .			.25	
Acetyl Chloride, 100 lb. chys. . . . .	.83	: .85	Di. 150 lb. chys. wks.			1.00	
ACID , 1, 2, 4, 250 lb. bbls.			Tri. 5 lb. bot.			2.50	
Acetic, 28%, 400 lb. bbls. c/l wks.		3.00	Chlorosulfonic, 1500 lb. drs. wks. . . . .			.15	: .16
28%, 1c/l wks.		3.25	Chromic, USP, 300 lb. drums. . . . .			.37	
56%, c/l wks.		5.60	85% Pure, 200 lb. drums. . . . .			.35	
56%, 1c/l wks.		5.85	Chromotropic , 300 lb. bbls.			1.35	
70%, bbls. c/l wks.		6.89	Chrysanthic, see Chrysanthin				
70%, 1c/l wks.		7.14	Cinnamic, 5 lb. cans			3.25	: 3.50
80% coml. bbls. c/l wks. 100 lb.		7.73	CITRIC , USP, crys. 250 lb. bbls. . . . .			.45 1/4	
80% coml. 1c/l wks. 100 lb.		8.08	Powd., USP, 200 lb. bbls. . . . .			.46 1/4	
80% pure bbls. c/l wks. 100 lb.		8.72	Imported crys. 112 lb. kegs. . . . .			.46	: .47 1/4
80% pure 1c/l wks. 100 lb.		9.87	Single kegs . . . . .			.47	
Glacial, bbls. c/l wks. 100 lb.		10.57	Cinn. 250 lb. bbls. . . . .			.95	: .97
Glacial, 1c/l wks. 100 lb.		10.82	Cresylic, 95% dark dr. NY. gal. . . . .			.62	: .64
Glacial, USP cry. wks. 100 lb.		11.32	97-99% pale, dr. NY. gal. . . . .			.64	: .66
Acetylaldehyde , 225 lb. bbls.			Crude, spot, drs.				
Second Hands . . . . .	.75	: .72	Diethylbarbituric , Dom., 25 lb. lots.			8.00	: 9.00
Anthrakidin , tech. drs.			Imp., 10 lb. lots			4.00	: 4.15
98-100%, 100 lb. drs. . . . .	.98	: 1.00	Formic, 85% tech. 140 lb. chys. . . . .			.10 1/4	: .10 3/4
Benzoic , tech. 100 lb. bbls.			90% 80 lb. chys. incl. . . . .			.11 1/4	: .11 3/4
Tech. ton lots bbls. . . . .	.60	: .60	Gallic, USP, 150 lb. bbls. . . . .			.65	
USP, 100 lb. bbls. . . . .	.69	: .70	Gamma, 225 lb. bbls. wks.			1.40	: 1.45
Second Hands . . . . .	.65	: .67	Glycerophosphoric, 25% 1 lb. bot.			1.85	: 1.95
Baric, crys. powd. 250 lb. bbls.10	: .09 1/4	H 225 lb. bbls. wks.68	: .72
Kegs. 100 lb.10	: .10 1/4	Hydrolic, 10% USP 5 lb. bot.65	: .70
Brown's 250 lb. bbls.		1.25					

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ACID

MURIATIC, 20° cgs, 1c/l		
whs.100 lb	1.60	1.70
Chys. c/l whs.100 lb		1.55
Tank cars, whs.100 lb		1.60
18°, 120 lb cgs		
c/l whs. ....100 lb		1.25
Tank cars, whs. ....net ton		
22°, 120 lb cgs		
c/l whs. ....100 lb		1.85
Muriatic, CP & USP, see Acid Hydrochloric		
Naphthionic, tech. 250 lb bbls. D	.55	.59
Refined, single bbls. ....D		.63
Neville & Winter's, 250 lb bbls. ....D	1.00	1.05
NITRIC, 36°, 185 lb		
Chys. 1c/l whs. ....100 lb	4.75	5.00
Chys. c/l whs. ....100 lb	4.50	4.75
38° 1c/l cgs, whs. ....100 lb	5.25	5.75
Chys. c/l whs. ....100 lb	5.00	5.25
40° 1c/l cgs, whs. ....100 lb	5.75	6.00
Chys. c/l whs. ....100 lb	5.50	5.75
42° 1c/l cgs, whs. ....100 lb	6.25	6.75
Chys. c/l whs. ....100 lb	6.00	6.25
C. P. cgs, single whs. ....100 lb	.13	.13
Sulfuric, 800 lb bbls., whs. ....D	.10%	.11
Bbls., NY	.10%	.11
Kept, 160 lb NY	.11%	.11%
Imp, 500 lb casks	.10%	.11
Phenylmercuric, domestic ..D	9.20	9.60
Imported, 5 lb	6.00	6.25
Phosphoric, 50% tech, 150 lb cgs.		
Drums, c/l whs. ....100 lb	.07	.07%
demis	.15	.17
Imported		.16%
Second Hands	.15	.16
Phthalic, see Phthalic Anhydride		
Picramic, 300 lb bbls. ....D		.50

ACID

Picric, 450 lb bbls. ....D	.36	.37
Bbls. car lots, whs. ....D		.25
Pyrogallic, cgs. 5 lb cans. ....D	1.25	1.30
Resublimed, 5 lb cans. ....D	1.50	1.60
Tech. powd., 200 lb bbls. ....D		.85
Salicylic, tech., 125 lb bbls. ....D	.33	.34
USP, 100 lb bbls. ....D	.34	.35
Second Hands	.33	.34
Sulfanilic, 250 lb bbls. ....D	.15	.18
SULFURIC, 66° 180 lb cgs.		
1c/l whs. ....100 lb	1.50	1.55
Chys., c/l whs. ....100 lb		1.25
1500 lb Drums, 1c/l whs. ....100 lb		1.10
Drums, c/l whs. ....100 lb		.80
Tank cars, whs. ....net ton		14.00
60° 1500 lb Drums		
1c/l whs. ....100 lb		1.00
Drums, c/l whs. ....100 lb		.80
Tank cars, whs. ....net ton	9.50	10.00
C. P. 175 lb cgs. ....D	.07	.08
Oleum 20 p.c. 1500 lb drums		
1c/l whs. ....100 lb		1.40
Drums, c/l whs. ....100 lb		1.15
Tank cars, whs. ....net ton	17.00	18.00
Oleum, 40% drs 1c/l whs. net ton		40.00
Oleum, 60% drs., 1c/l whs. net ton	60.00	70.00
Sulfurous, USP 6% 100 lb cgs. ....D	.05	.06
4% 100 lb cgs. ....D	.04	.05
USP, 5 gal. demis. ....D	.06	.08
Tannic, tech. 300 lb bbls. ....D	.30	.40
USP, powd. 200 lb bbls. ....D	.75	.80
USP, chuff, 50 lb bbls. ....D	.75	.80
Tartaric, USP, cgs., 300 lb bbls. ....D		.29
USP, powd. 300 lb bbls. ....D		.29
Imp. USP, 240 lb bbls. ....D	.28	.29
Powd., 240 lb bbls. ....D	.28	.28%
Tubias, 250 lb bbls. ....D		.85

ACID

Tungstic, 100 lb kgs. ....D		1.00
Valeric, C. P., 10 lb bot. ....D	2.50	2.75
Acetone Alk. crst. 1 cu. whs. ....D		30.00
Amorphous, 1 cu whs. ....D		30.00
Adeps Lanæ, hydrous 350 lb bbls. ....D	.13	.21
Anhydrous, 350 lb bbls. ....D	.18	.23
Albumen, Egg. edible ....D	1.20	1.25
Tech. 100 lb drs. ....D	.95	1.15
Blood 225 lb bbl. ....D	.48	.50
Vegetable ....D	.60	.65
ALCOHOL, USP, 190 pt. 50 gal. bbls.		
Second Hands, bbls, USP 190 pt.		4.90
Export, USP, 190 pt. ....gal	.60	.85
Cologne Spirit, 50 gal. bbls. ....gal	5.00	5.10
WOOD, see Methanol		
Alcohols also in 50 gal. drums extra and returnable.		
Butyl, 50 gal drs. whs., c/l. ....D	.25%	.26%
Drums, 1c-l whs. ....D	.25%	.26%
Tank cars, whs. ....D	.24%	.25%
Isobutyl, crude, 50 gal drs. ....gal		
Refined, 10 lb cans. ....D		
Isopropyl, Refined, 90-91%, 50 gal. drs. ....gal	1.00	1.25
Ref'd, 98-99%, drs. ....gal	1.25	1.50
Propyl. nml. crd. 50 gal. drs. ....D		4.40
Refined, 10 lb cans. ....D		.75
Denatured No. 1, Complete Denat. 190 Proof		
50 gal. bbl. incl. ....gal	.61%	.63%
Car lots ....gal		.59%
50 gal. drums, extra. ....gal	.62%	.64%
Car lotsgal		.60%
No. 1, Special Denat. 190 Proof		
50 gal. bbl. incl.gal	.60%	.62%
Car lotsgal		.58%

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50 gal. drums, extra.....gal	.52%	.54%
Car lots.....gal	..	.50%
No. 5, Complete Denat. 188 Proof		
50 gal. bbl. incl.....gal	.59%	.61%
Car lots.....gal	..	.57%
50 gal. drums, Extra.....gal	.52%	.54%
Car lots.....gal	..	.50%
No. 6, Complete Denat. 188 Proof		
50 gal. bbl. incl.....gal	.58%	.60%
Car lots.....gal	..	.56%
50 gal. drums, extra.....gal	.51%	.53%
Car lots.....gal	..	.49%

In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the limitations of their use however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.

Aloin, USP, 100 lb. cases.....lb	.85	.88
Alpha-Naphthol crude 800 lb. bbls. lb	..	.65
Refined.....lb	.85	.90
Alpha-Naphthylamine, 550 lb. bbls. lb	.35	.37
Ten lots, bbls. wks.....lb	..	.35
ALUM, Ammonia, lump 400 lb. bbls.		
wks., 1c/l.....lb	3.15	3.50
Imp. 500 lb. cases.....lb	..	..
Ground, 400 lb. bbls. wks. 100 lb	3.30	3.75
Powd. 380 lb. bbls. wks. 100 lb	3.55	3.99
Chrome, 500 lb. cks., wks. 100 lb	8.25	8.50
Potash, lump 400 lb. bbls.		
wks.....lb	3.50	3.75
Bbls., c/l wks.....100 lb	3.35	3.40
Ground, 400 lb. bbls. wks. 100 lb	3.50	3.85

ALUMS, Potash (Cont.)


Imp. 350 cases.....100 lb	2.55	2.65
Powd., 380 lb. bbls. wks. 100 lb	4.00	4.50
Chrome, 500 lb. cks. wks. 100 lb	5.25	5.50
Soda grd. 400 lb. bbls. wks. 100 lb	..	3.75
Bbls. c/l wks.....100 lb	..	3.50
Aluminum, metal, c/l NY.....100 lb	27.00	28.00
Chloride, anhyd. 275 lb. drs. lb	.20	.22
Crystals, 375 lb. bbls.....lb	..	.06 1/2
30% sol. 120 lb. cbs.....lb	..	.04
Hydrate 96% light 90 lb. bbls. lb	.17	.18
Heavy 62-64%, 120 lb. bbls. lb	.06	.06 1/2
400 lb. bbls. wks.....lb	..	.07
Stearate, 100 lb. bbls.....lb	.21 1/2	.22
SULFATE, Iron-free bags c/l		
wks.....100 lb	2.00	2.10
Bbls., c/l wks.....100 lb	2.15	2.25
Imported, spot.....100 lb	1.70	1.75
Comm'l. 1/2% iron bgs c/l		
wks.....East 100 lb	..	1.40
Cont. bgs c/l wks. E. 100 lb	1.35	1.40
Bags, c/l wks W.....100 lb	..	1.40
Bbls., c/l wks. East.....100 lb	..	1.55
Bulk, c/l cont. wks. E. 100 lb	..	1.50

Amidol (see Diaminophenol)

Amidopyrine, Imp., 10 lb. boxes.....lb	..	..
Domestic, 10 lb. boxes.....lb	4.60	4.75
Aminooazobenzene, 110 lb. kgs.....lb	..	1.15
AMMONIA, anhyd. 100 lb. cys.....lb	..	.30
Water, 26° 800 lb. drs. wks.....lb	..	.06 1/2
Dra. c/l wks.....lb	..	.06 1/2
C.P., cbs.....lb	..	.12
Imp., 800 lb. dra. incl. spot.....lb	..	.06 1/2
26° 100 lb. cbs. 1c/l wks.....lb	..	.08 1/2
Cbs., c/l wks.....lb	..	.08 1/2
20° 800 lb. dra. c/l wks.....lb	..	.04 1/2
Cbs. 1c/l wks.....lb	..	.05 1/2
18° 800 lb. dra. c/l wks.....lb	..	.04 1/2
Cbs. 1c/l wks.....lb	..	.04 1/2

AMMONIA (Cont.)

16° 800 lb. dra. c/l wks.....lb	..	.03 1/2
Cbs., 1c/l wks.....lb	..	.04
Ammonium Acetate, 100 lb. kgs.....lb	..	.43
Benzonate, USP, 1 lb. bot.....lb	..	1.27
Bifluoride, 300 lb. bbls.....lb	..	.21
100 lb. kgs.....lb	..	.22
Bromide, 450 lb. bbls., 50 lb. bbs. lb	..	.83
Imported, 112 lb. boxes.....lb	..	.50
Shipment.....lb	..	.52
Carb., tech. 550 lb. cases.....lb	..	.08 1/2
Powd., tech. 385 lb. bbls. lb	..	.07 1/2
USP, lump, 100 lb. kgs.....lb	..	.12
Powd., 100 lb. kgs.....lb	..	.13
Chloride, Domestic		
White, 250 lb. bbls., c/l.....lb	..	.07
250 lb. bbls., 1c/l wks.....lb	..	.07 1/2
Imported white 600 lb. cases spot	..	.05 1/2
Gray, 250 lb. bbls., wks.....lb	..	.07 1/2
Bbls., c/l wks.....lb	..	.07 1/2
Imported gray 250 lb. cases.....lb	..	.06 1/2
Lump, 500 lb. cases spot.....lb	..	.12
Icthyolate, as to brand.....lb	4.85	5.00
Iodide, USP, 25 lb. jars.....lb	..	5.20
Lactate, 500 lb. bbls.....lb	..	.15
Nitrate, tech., crys., 225 lb. bbls. lb	..	..
Refined Crystals, bbls.....lb	..	.21
CP gran. 100 lb. kgs.....lb	..	.35
Oxalate, pure, 100 lb. kgs.....lb	..	.37
Persulfate, 220 lb. bbls.....lb	..	.28
Phosphate, dibase 200 lb. bbls. lb	..	.38
Tech. powd. 325 lb. bbls.....lb	..	.18
Phosphate, mono, 325 lb. bbls. lb	..	.13
Sulfolate USP, 100 lb. kgs.....lb	..	.75
Sulfate bulk c/l wks.....100 lb	2.60	2.65
200 lb. single bgs., c/l wks. 100 lb	..	2.90
200 lb. double bgs. f a 100 lb	..	2.95
Sulfocyanide, tech., 100 lb. kgs.....lb	..	.40
CP, 25 lb. jars.....lb	..	.50
Amyl Acetate, tech. 50 gal. drs. gal	2.75	3.25
Refined, 50 gal. drums.....gal	3.50	4.00
Alcohol, see Fuel Oil		



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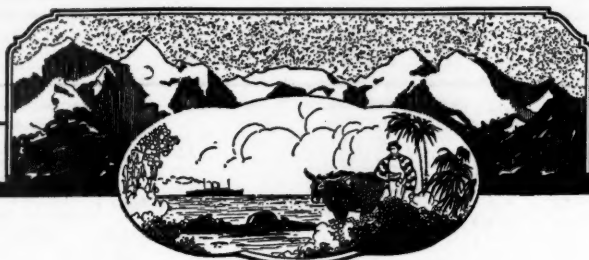
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Chemicals

ANILINE OIL, 900 lb drums....lb	.16	.17	BARIUM DIOXIDE, see Barium dioxide			Benzol, see Benzene		
Aniline Salt, 200 lb bbls....lb	.20	.22	Carbonate, precip., 300 lb bbls.			Benzonaphthol, 5 lb boxes.....lb	3.50	3.60
Annetto, fine.....lb	.41	.43	.....ton	56.00	58.00	Benzoyl Chloride, 500 lb drs...lb		1.00
Anthracene 80-85% 600 lb casks			Precip., 200 lb bbls, wks, ton	54.00	56.00	Benzyl Acetate, 100 lb clys....lb	1.55	1.75
.....wks.....lb	.65	.70	Imports bag, NY.....ton	48.00	50.00	Alcohol, 5 lb bot.....lb	1.45	1.55
Anthraquinone, subl. 125 lb bbls lb	1.00	1.15	Chloride, 800 lb bbls, wks, ton	70.00	72.50	Benzoate, 5 lb bot.....lb	1.60	1.75
Antimony metal, slabs ton total 100 lb	.16	.16%	200 lb bbls, wks.....ton	65.00	68.00	Medicinal FFC.....lb	1.75	2.00
Needle Powd., 100 lb cases..lb	.15%	.16	Imports, large crystals, bbls.,			Chloride, 95% tech. 925 lb drs..lb	.25	.30
ANTIMONY CHLORIDE, anhyd 1000 lb			spot.....ton	61.00	62.00	100 lb clys.....lb	.25	.30
dra.....lb	.35		Small crystals.....ton	60.00	61.00	Redistil. 160 lb clys....lb	.30	.35
50 lb crocks.....lb	.45	.48	Dioxide, 88% 600 lb drs.....lb	.13	.13%	Formate, 1 lb bot.....lb	3.25	3.50
Sol'n, 130 lb carboys 33°.....lb	.06		Import, 86-88% 400 lb drs..lb	.13	.13%	Berberine Hydrochloride, 1 lb bot...lb	22.50	
Oxide, 500 lb bbls.....lb	.15	.16	Hydrate, 500 lb bbls.....lb	.04%	.05	Sulfate, acid or neut. 1 lb bot..lb	22.00	
Salt, dom. 500 lb bbls.....lb	.26		Iodide, 5 lb box.....lb	.10		BETA-NAPHTHOL, 350 lb bbls.wks lb	.24	.25
Imp. NY.....lb	.20		Nitrate, 700 lb casks.....lb	.07%	.08	Carlots, wks.....lb	.23	
Sulfuret, golden 500 lb bbls..lb	.20		Imports casks.....lb	.28	.30	Sublimed.....lb	.55	.60
330 lb kegs.....lb	.22	.23	Sulfocyanide, 600 lb bbls.....lb	.04%	.05	Beta-Naphthylamine, tech. 200 lb		
Crimson, 500 lb bbls.....lb	.48	.55	Barwood, chips.....lb	23.00	24.00	bbls.....lb	.63	.67
336 lb kegs.....lb	.50	.57	Barytes, floated 350 lb bbls. wks.ton	29.00	33.00	Sublimed, 200 lb bbls.....lb		1.35
Vermilion, 500 lb bbls.....lb	.48	.53	Imported.....ton	29.00	33.00	Bichloride Mercury, see Mercury Bichloride		
336 lb kegs.....lb	.50	.60	Crude, c.l.f.....ton	9.00		BISMUTH metal, 100 lb cases..lb	2.00	2.12
Tartrulactate, 500 lb bbls.....lb	.45		Bay Rum, Porto Rico, genuine			Second Hands.....lb	2.00	
Antipyrine, USP. 100 lb cases..lb	1.75	1.90	Medicated salicyl. acid or tartar			Ammon. Citrate, USP, 5 lb cans lb	5.30	
Apomorphine Hydrochloride, 3/4 oz. vials	22.10		45 gal. bbls.....gal	1.80	1.00	Betanaphthol, 5 lb bxs.....lb	2.60	
Archil, double 600 lb bbls.....lb	.13	.14	Medicated quinine sulf. 45 gal.			Citrate, USP, 5 lb cans.....lb	2.50	
Triple, 600 lb bbls.....lb	.16	.17	bbls.....gal	1.80	1.00	Nitrate, 25 lb jars.....lb	1.60	
Cocac., 600 lb bbls.....lb	.18	.20	Domestic synthetic, 50 gal	.75	.77	Oxychloride, 25 lb bxs.....lb	2.95	
Arcoline Hydrobromide, 1 oz. vial..oz	6.25	7.82	Bbls.....gal	.75	.77	Phenolsulfonate, 5 lb cans.....lb	2.70	
Argols, red powd., 350 lb bbls..lb	.06%	.07	St. Thomas			Salicylate, 25 lb bxs.....lb	1.70	
Arsenic, metal 220 lb kegs.....lb	.45		Medicated salicy. acid or tartar			Subcarbonate, USP, 25 lb bxs..lb	2.85	
Red, 224 lb kegs cases.....lb	.12%	.13	emetic, 50 gal. bbls..gal	.90	.95	X-Ray diag. 1 lb bot.....lb	3.33	
White 220 lb cases to 550 lb			Benzaldehyde, tech. 945 lb drs.			Subgallate, USP, 25 lb bxs.....lb	2.20	
bbls, NN.....lb	.05	.05%	wks.....lb	.70	.75	Subiodide, 5 lb lots.....lb	4.05	
Asbestos, c/l.....ton	16.00	18.00	USP, 40 lb clys.....lb	1.30	1.40	Subnitrate, USP, 25 lb jars...lb	2.25	
le/l.....ton	20.00	22.00	FFC, 40 lb clys.....lb	1.40	1.50	Second Hands.....lb	2.00	
Aspirin, see Acid acetylsalicylic			BENZENE, 90% 8000 gal. tanks			Cones, 1 lb bot.....lb	3.25	
Atropine Alk. USP 1 oz vial.....oz	5.00	5.57	wks.....gal	.22		Subsalicylate, USP, 25 bxs...lb	2.50	
Sulfate, 5 oz cans.....oz	3.50		110 gal. drs, wks.....gal	.27				
Single ounce.....oz	3.65		Pure Tanks, wks.....gal	.23	.24			
			110 gal. drs, wks.....gal	.28	.29			
			Benzidine Base, dry 250 lb bbls..lb	.75	.76			
			Benzidine Sulfate, paste 350 lb					
			bbls.....lb	.70	.72			

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Chemicals

BISMUTH (Continued)

Tannate, 1 lb bot.	2.25	
above on basis 25 lb lots.		
Smaller lots at an advance.		
Blanc Fixe, dry 400 lb bbls. wks. ton	80.00	90.00
Imported, bbls.	70.00	72.00
Paste, 650 lb bbls.	55.00	65.00
BLEACHING POWDER, 700 lb drs.		
c/l wks.	100 lb	2.00
Drums, 1c/l ex-warehouse.	100 lb	2.35
Contract, c/l wks.	100 lb	1.90
Drums, 1c/l wks.	100 lb	2.15
Imported, spot.	100 lb	1.95
Blood, dried, f o b NY.	unit	3.60
Chicago.	unit	3.50
S. Am. shipment.	unit	3.60
Silver Ointment, see Mercury		
Stones, brown Chinese, Millor,		
Prussian, Soluble.	33	35
Blue Vitriol, see Copper Sulfate		
Bone, 3 & 50 gr. steam, Chgo unit		32.50
Raw, NY.	ton	36.00
Bone Ash, 200 lb kegs.	06	07
Black, 200 lb bbls.		06
Borax, cys. 400 lb bbls.	05 1/4	05 1/4
Powdered, 300 lb bbls.	05	05 1/4
Kegs, 100-150 lb.	05 1/4	06
Bordeaux Mixture, 10% pd. bbls. lb.	11 1/4	18
Paste, bbls.	08	10
Borcol, 1 lb bot.		3.50
Brimstone, see Sulfur		
(Freight allowed)		
British Gum, com. c/l.	100 lb	5.02
le/l.	100 lb	5.12
Potatoes, le/l.		09
Bromide, see potash bromide, etc.		
Bromine, bot. in 50 lb cs. wks. lb.		47
Bromobenzene, 600 lb drums.	40	42
Bromoform, USP 5 lb bot ex. lb.	1.75	1.85
Browie Alkaloid, 100 cm.		10
Sulfate, 100 cm.		10
Butter of Antimony, see Antimony Chloride		
Butyl Acetate, tank cars, wks. gal		2.25
Drums, c/l wks.		2.27

CADMIUM, metal 100 lb bbs.

Bromide, 50 lb cases fars.	1.20	
Iodide, 10 lb bot.	4.45	
Sulfide, cs.	1.50	1.60
CAFFEINE ALK, USP 5 lb cases.	3.75	3.85
Second Hands.	3.50	3.60
Hydrochloride, 1 lb bot.	6.05	6.55
Sulfate, 1 lb bot.	5.40	5.90
Citrated, 25 lb cases.	2.70	2.80
Hydrobromide, 1 lb bot.	4.65	4.90
CALCIUM, Acetate, 150 lb bgs, c/l		
100 lb.	2.75	
Arsenate, 100 lb bbls c/l wks lb.	.07	.08
Bromide, 100 lb cs. ....		.60
Carbide, 220 lb dr, c-l wks. lb.		.04 1/4
Carbonate, tech., 100 lb bags		
c/l.	1.00	1.10
USP, precip. 175 lb bbls. ....		.06 1/4
Chloride, solid, 650 lb drs. c/l		
f.o.b. wks.	21.00	23.00
Imp.	19.00	20.00
Flake, 375 lb drs. c/l drs. f.o.b.		
wks.	27.00	
Anhyd. 350 lb drs. f.o.b. NY. lb.	.13	.20
Glycerophosphate, 250 lb bbls.		1.40
Hydrate, see Lime		
Hypophosphite, USP, 25 lb cases lb.	.60	.65
Iodide, 5 lb bot.		4.40
Lactate, tech., 500 lb bbls. ....		.13 1/4
USP. ....	.50	.60
Nitrate, 220 lb bbls. c/l NY. ton		50.00
Phosphate, tech., 450 lb bbls. lb.	.09	.10
Phosphate, precip. tribasic, 200 lb		
bbls., wks. ....	.11	.14
Phosphate, mono, 325 lb bbls. lb.	.07	.08
Sulfocarbolate, 100 lb kegs. ....	.85	.87
CAMPHER, Amer. ref. 350 lb		
bbls. ....	.84	
2 1/2 lb slabs, 100 lb cs. ....		.85 1/4
1 lb cakes, 150 lb cs. ....		.85 1/4
1 oz. tab., 1 lb ctas. ....		.89
100 lb cs. ....		.90
1/2 oz. tab., 1 lb ctas. ....		.90

CAMPHER (Cont.)

Jap. ref., 2 1/2 lb slabs, 100 lb		
cs. ....	.75	
1 oz. tab., 100 cs. 1 lb		
tins. ....	.90	
1/2 oz. tab., 100 lb cs., 1 lb		
tins. ....	.91	
Chinese ref. 2 1/2 lb slabs 100 lb		
cs. lb.		
Crude, 100 lb cs. ....	.54	.56
Camphor, Liniment, bbls.	2.30	2.40
Camphor, Monobrom., 100 lb cs.	1.85	1.90
Camwood, chips. ....	.09	.10
Caramel, 50 gal. bbls. ....	.85	.90
Carbazol, 250 lb bbls. ....		.50
Carbon Bisulfide, 500 lb drs. lb/ NY lb	.06	.06 1/4
c/l drums, NY. ....		.05 1/4
Carbon Black, c/l wks. bgs. ....		.06
100-500 lb cases lb/ NY. ....	.07	.08
Carbon Disulfide, Liquid, 30-35 cy. lb.		.95
Carbon Tetrachloride, 1400 lb drs.		
NY. ....	.07	.07 1/4
Drums, c/l NY. ....		.06 1/4
700 lb drs. single NY. ....		.07 1/4
Carmine, No. 40, 5 lb boxes.	4.50	4.75
Cassia, edib., 100 lb kegs. ....		.45
Tech. Imp., 200 lb bbls. ....	.12 1/4	.13
Tech. Dom. ....	.13	.14
Castoreum, 1 lb boxes.	4.50	5.00
Castor Oil, USP, 50 gal. bbls. ....		.17 1/4
Cases, 80 lb 2 tins. ....		.18 1/4
Tech., see Fixed Oils		
Cassia Potash, see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate, 100 lb cases.	1.75	2.00
Cerium Oxalate, USP 100 lb kegs. ....	.35	.36
Chalk, drop 175 lb bbls. ....		.03 1/4
Precip. light 250 lb cases. ....		.04 1/4
Precip. heavy 500 lb cases. ....		.05 1/4
Bulk.	5.00	5.06
Precip. English, 7 lb bags.07 1/4	.08 1/4
Charcoal, Bone, see bone black		

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CHEMICALS

Chemicals

CHARCOAL (Cont.)			Cinchonidin Sulfate, 100 oz. time. oz.	...	40	Colchicine alk. USP, 1 oz. vial. oz.	...	20.07
Wood, powd., 100 lb. bbls.	..B	.04 : .05	Resale, 1000 oz. lots. oz.	...	39	Sallylate, 1 oz. vial. oz.	...	15.07
Willow, powd., 100 lb. bbls.	..B	.05% : .06	Cinchonine alk. powd. 100 oz. time	...		Collodion USP 30 lb. drums.	..B	23
Chestnut, clarified, 25% tis. wts.	..B	.01% : .02	Crystal	...	43	COPPER metal electrolytic c/l		
Bbls., wts.	..B	.02% : .02%	Sulfate, 100 oz. time. oz.	...	25	NY	100 lb	13.62 1/2 : 13.75
Powd., 60% 100 lb. bags, wts.	..B	.05% : .05%	Citric Acid, see Acid Citric	...		Lake c/l NY	100 lb	13.75 : 13.87 1/2
Decolorized, bags, wts.	..B	.06% : .07	Citrine Ointment, see Mercury	...		Casting, c/l NY	100 lb	14.00
China Clay, Dom.	...ton	6.00 : 9.00	Coal Tar, See Tars	...		Carbonate, 400 lb. bbls.	..B	16 1/2 : 17 1/2
Washed & Ground, wts.	...ton	11.00 : 15.00	Cobalt metal, 100 lb. kegs.	..B	2.50 : 3.00	Chloride, 250 lb. bbls.	..B	25
Imp., Filler Clay	...ton	16.00 : 23.00	Cobalt Oxide, 500 lb. bbls.	..B	2.10	Cyanide, 100 lb. drs.	..B	48 : 50
Coating	...ton	20.00 : 25.00	10 lb. time, 200 lb. cases.	..B	2.20	Iodide, 5 lb. bot.	..B	5.60
Chloral Hydrate, USP 100 lb. drs.	..B	.60 : .65	COCAINE alk., USP, 1 oz. vial. oz.	...	10.57	Oxide, red 1000 lb. bbls. ton lots.	..B	16 1/2 : 17
25 lb. jars	..B	.68 : .70	Hydrochloride USP—1 oz. vials.	...		Sub-Acetate, verd. 440 lb. bbls.	..B	23 : 27
Cinchonidin, 140 lb. drs.	..B	.40	25 oz.	...	8.07	SULFATE crys. 450 lb. bbls. c/l	...	
Chloramine-T, 200 lb. bbls.	..B	1.35 : 1.50	In 1/2 oz. vials	...	8.50	spot	100 lb	4.60 : 4.65
Chloroform, 5 lb. bot.	..B	.60 : .60	In crystals, granular, powder,	...		Carlots bbls. delivered 100 lb	...	4.50 : 4.60
Chlorhydrin, Ethylene anhyd. 600 lb.	..B	.75 : .85	or flaky crystals as desired.	...		Carlots bbls. F O B NY 100 lb	...	4.50 : 4.65
40% soln. 100 lb. cys.	..B	.25 : .30	Cocoa Butter, bulk, 200 lb. bales	...		Imp. 550 lb. cys. spot.	100 lb	...
CHLORINE, Liquid 2000 lb. cyl.	...		c/l	26 1/2 : .27		Powdered, 350 lb. 5 bbls.	..B	...
c/l wts.	..B	... : .04%	Fingers, cakes, etc. 12 lb. boxes.	..B	.37	Copperas, bulk, c/l wts.	...ton	13.00
Tank car lots, wts. Contract.	..B	... : .04	CODEINE, alk., oz. vials. 10 oz.	...		200 lb. bbls., c/l wts.	...ton	16.00
100 lb. cyl. c/l	..B	.05% : .05%	lots	9.87		400 lb. bbls., c/l wts.	...ton	17.00
100 lb. cyl. 1c/l wts.	..B	.07 : .08	Hydrobromide, 1 oz. vials, 10 oz.	...		powdered. bbls.	100 lb	1.90 : 2.00
100 lb. cyl. 1c/l ex-warehouse.	..B	.08 : .00	lots	7.92		Sugar, 400 lb. bbls.	100 lb	1.25 : 1.35
Chlorobenzene, mono 100 lb. drs.	..B	.08 : .10	Hydrochloride, 1 oz. vials, 10 oz.	...		Caru Syrup, 42 deg. 50 gal.	...	4.30
wts.	..B	...	lots	7.42		bbls.	100 lb	4.40
Drs. c/l wts.	..B	... : .07 1/2	Nitrate, 1 oz. vials, 10 oz. lots.	...	8.87	43 deg. 50 gal. bbls.	100 lb	4.41
Tank car lots wts.	..B	... : .07 1/2	Phosphate, 1 oz. vials, 10 oz.	...		44 deg. 50 gal. bbls.	100 lb	4.45
CHLOROFORM, USP, 500 lb. drs.	..B	...	lots	7.42		45 deg. 50 gal. bbls.	100 lb	4.55
Second Hands, 650 lb. drs.	..B	.25 : .27	Sallylate, 1 oz. vials, 10 oz.	...		Caru Sugar see above	...	
Technical, 650 lb. drums.	..B	...	lots	7.42		Cotton Soluble, 100 lb. bbls. wet. B.	..B	.40 : .42
Chlorophyll, Oil Sol.	..B	2.50 : 2.75	Sulfate, 1 oz. vials, 10 oz. lots.	...	7.92	Cottonseed, Meal, 7%.	...ton	33.00 : 35.00
Water Sol.	..B	3.75 : 4.00	Small sizes, 1/2 oz. vials, 50c extra,	...		Coumarin, 25 lb. tins 100 lbs.	..B	3.25 : 3.45
Chromium Acetate, 30° soln. 400 lb.	..B	...	1/4 oz. 30c extra, singles 7c extra	...		Second Hands	..B	3.25 : 3.30
bbls.	..B	... : .05%	per oz.—25 oz. lots, 10c on cheaper	...		CREAM TARTAR, USP, 300 lb.	..B	.25 : .25 1/2
Fluoride, Powd., 400 lb. bbls.	..B	.24 : .36	than above. Less than 10 oz. 15c on	...		bbls.	..B	.25 : .25 1/2
Chrome, Greens, CP.	..B	.26 1/2 : .38	higher than above.	...		Imp. powd., USP, 224 lb. bbls.	..B	.21 1/2 : .25
Comm.	..B	.08 1/2 : .11	CODLIVER OIL, Norwegian, 30 gal.	...	32.00 : 33.00	Creosote, USP, 42 lb. cys.	..B	.40 : .42
Chrome, yellow	..B	.18 : .20	bbls	...		Carbonate, 100 lb., 50 lbs.	..B	1.80 : 1.90
Chrysarobin, Powd., 400 lb. bbls.	..B	5.25 : 5.35		...		Creosote Oil, 50 gal. drs.	..B	.24 : .30
Cinchonidin alk., powd 100 oz. time. oz.		Cresol, USP, 400 lb. drums.	..B	.20 : .22
Crystal	...oz.	.65 : .68		...		Cudbear, English	..B	.19 : .20

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Cites, Baggon, 100 lb bales...	D	...	32	Duboldine Sulfate, 1 cu. vial...	os	...	30.07	FERRIC CHLORIDE, tech. crys.	D
Harco, solid, 100 lb bales...	D05%	EARTH, Diatomaceous, see Kieselguhr				475 lb bbls.	D07%
Liquid, 450 lb bbls.	D09	Egg Yolk, 150 lb cs...	B48	Imported	D04%
Tablets, 120 lb boxes	D13	Emetine alk., 15 gr. vial...	os	...		C.P. crys. 100 lb kegs...	D05
Cyanamide, bulk c/1 wss, Amm. unit	D	...	1.87%	Hydchlide, USP, 1 os vial...	oz	...	17.00	Imported	D06
Yellow, bgs, 100 lb...	D	...	4.77	15 gr. vial...	ea	Neut. Sol'n 42° 140 lb cys...	D06%
Yellow, bgs, 100 lb...	D	...	4.72	EPSON SALT, tech. 300 lb bbls	D	46° 140 cys...	D08%
Cyclotriazanol, see Hexalene				NY	2.15	FUS Sol'n 125 lb cys...	D06%
Cyrene, See Para-Cymene				Bbls. c/1 NY...	D	...	2.00	Ferrus Chloride, crys. tech.	D
Dextrin, white conc 140 lb bgs...	D	...	4.82	100 lb bgs, c/1 NY...	D	...	1.50	475 lb bbls.	D06%
e/100	D	...	4.82	Imp., 220 lb bgs, c/1	D	...	1.28	1000 lb bbls. 100 lb	D	...	2.50
Canary	D	...	4.87	NY	D	...	1.33	Fish Scrap, dried wss...	unit	...	4.00
bags, 100 lb...	D	...	4.92	USP, 300 lb bbls. 10 bbls.	D	...	2.50	Acid. Bulk 7 & 8 1/2, Devis	D10
Potato, 220 lb bags, 100 lb...	D08%	Carlots, bbls.	D	...	2.00	Norfolk & Balt basia. unit	4.25
Yellow, 220 lb bags...	D08%	Imported, 400 lb bbls.	D	...	1.85	100 lb kegs	D	...	2.00
Tapoca, 200 lb bags, 100 lb...	D09%	100 lb kegs	D	...	2.00	Flavine	D90
DIAMINOPHENOL, 100 lb kegs...	D	...	3.80	Ergotin, Bonjean, 1 lb jars	D	...	6.00	Fluorspar, 95% 220 lb bags, ex-	ton	...	35.00
Dianidine, 100 lb kegs	D	...	3.50	Eserine alk., 1 cu. vial...	os	...	30.07	dock	33.50
Dibutyl Phthalate, wss.	D45	Sallylate, USP, 1 cu. vial...	os	...	23.07	96% bgs.	ton	...	35.00
Dichlorobenzene, 1000 lb drs.	D06	Sulfate, USP VIII, 1 cu. vial...	os	...	17.07	98% bgs.	ton	...	35.00
Diethylamine, 400 lb drs.	D	...	2.50	ETHER, iSP, 55 lb drums...	D	...	1.15	FORMALDEHYDE, USP 400 lb bbls.	D09%
Diethylamine, 850 lb drs.	D60	Anaesthesia, 55 lb drums...	D19	c/1 wss.	D09%
Diethyl Phthalate, 25 lb cans.	D40	USP, 1880 55 lb drums...	D45	Carboys	D10%
100 lb	D35	Washed, 55 lb drums...	D37	Bbls., 400 lb 100 lb/1 wss.	D10%
Diethyl Sulfate tech. 50 gal drs.	D20	Motor 1 lb	D25	Second Hands	D09%
CP drums	D40	Ether, Nitrow	D90	Fossil Flour	D02%
Digialin, Pure, 1 cu. vial...	os	...	9.75	Ethyl Acetate, 99% 50 gal drs.	gal	...	1.15	Formaline	D38
Dimethylamine, 840 lb drs	D33	85% Ester, 100 gal drs.	gal80	Fuller's Earth, 200 lb bgs, c/1	ton	...	15.00
Dimethylamine, 400 lb drs.	D	...	2.80	Carlots, drums87	mines	ton	...	35.00
Dimethylsulfate, 100 lb drs.	D50	Tanks Cars	gal85	Imported, 250 lb bags, NY...	ton	...	40.00
Dinitrobenzene, 400 lb bbls.	D14%	Refined, drums	gal	...	1.72	Furfural, 360 lb bbls.	D22
Dinitrochlorobenzene, 400 lb bbls.	D15	Bromide, 115 lb drs.	D40	Fusel Oil, 10% Impurities, drs.	gal	...	2.65
Dinitrochlorine, 300 lb bbls.	D18	Chloride, 200 lb drs. 15 lb cyl.	D26	Fustic, solid 50 lb boxes	D20
Dinitrophenol, 350 lb bbls.	D32	Methyl Ketone, 50 gal drs.	D27%	Crystals, 100 lb boxes	D20
Dinitrophenol, 350 lb bbls.	D32	Morphine, see Morphine. Ethyl		...		Liquid, 51°, 800 lb bbls.	D10
Dinitroresorcinol, 800 lb bbls.	D18	Ethyl Benzyl Aniline, 300 lb drs.	D	...	1.05	Furic, sticks	ton	...	30.00
Dioxin, see Morphine, wss/1				Ethylene Bromide, 600 lb drs.	D70	Chips	D04
Dioctylolysulfonide, 375 lb.	D	Chlorhydrin, anhyd. 50 gal drs.	D75	G. SALT, paste 350 lb bbls. basis	D50
bbls, wss.	D	...	1.15	40% Solution, 50 gal bbls.	D35	10%	D20
Diphenylguanidine, 5,000 lbs.	D95	Nitric, 50 gal drums	D20	Gall extract			

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Gambier, 25% liq. 450 lb. bbls.. D	.14	.15	NEMATINE, Paste, 500 lb. bbls.. D	.09	.12	Iodine Tinct. USP, 60 gal. bbls.. D	4.50	4.55
Gambier, 200 lb. cans.. D	.19%	.20	Crystals, 400 lb. bbls.. D	.12	.20	Carboys	4.55	4.60
Ginseng, cut, 150 lb. bags.. D	..	.25	Hemlock, 25% 600 lb. bbls. via D	.03%	.03%	Second Hands	4.30	4.40
Gelatin, USP silver bl. 100 lb. cs. D	.60	.65	Hemlock, bark	..	30.00	Iodoform, powd., 10 lb. bot.. D	..	6.00
Gold Label, 100 cans.. D	..	1.00	Hexalene, 50 gal. drs., wks.. gal	..	4.75	Crystals, 10 lb. bot.. D	..	6.05
Technical, 100 lb. cs.. D	.45	.50	Hexamethylentetramine, USP	..	.70	Iridium, metal 10 oz. lots.. D	..	260.00
GLAUBER'S SALT, tech. 200 lb. bags			100 lb. drums	.65	.70	Iron, metal by hydrogen 1 lb. bot. D	.80	1.00
c/l wks., 100 lb.	1.10	1.20	Imported	..	.63	IRON & AMM. CITRATE, USP 60 lb.	..	..
lc/l wks., 100 lb.	1.35	1.45	Rubber Makon, Impulse, Pd	..	.82%	case	..	.64
350 lb. bbls., c/l wks., 100 lb.	1.25	1.35	dra.	..	.85	Green scales, 500 lbs.. D	..	.45
bbls. lc/l wks., 100 lb.	1.50	1.60	Homatropine Hydrobrom. USP 1 oz.	..	1.65	Cacodylate, 100 lb. bot.. D	7.50	7.60
Imported, bags, NY	.85	.90	vials	..	13.50	Citrate, USP VIII 25 lb. cans. D	.94	1.01
USP, 300 lb. bbls. Imp. sp. 100 lb.	..	1.25	Five oz., 1 oz. vials.. D	..	16.57	Chloride, see Ferric or Ferrous	..	..
USP, 300 lb. bbls. dom. sp. 100 lb.	..	1.75	Hydrastine Alk., USP, 1 oz. vial.. D	..	16.57	Hypophosphite, 5 lb. cans.. D	1.55	1.60
USP, 300 lb. bbls. c/l wks. 100 lb.	..	1.40	Hydraline, USP, 1 oz. vial.. D	..	18.07	Syrup USP 5 lb. bot.. D	.35	.38
Calcined, see Sodium Sulfate			Sulfate, 1 oz. vial.. D	..	14.57	Iodine, 1 lb. bot.. D	..	4.23
Glucose, (Grape Sugar) dry, 100			Hydrastine Hydrochloride, USP 18 gr.	..	..	Syrup, USP, 5 lb. bot.. D	.35	.38
70° bags, c/l NY, 100 lb.	4.19	4.44	vials	..	..	Nitrate, kegs	.09	.10
Syrup, Drs. & bbls c/INY 100 lb.	4.16	4.35	Hydrobenzene 100 lb. kegs.. D	..	..	Com'l, bbls.	2.75	2.85
lc/l NY	4.26	4.45	HYDROGEN PEROXIDE, 25 vol. 400 lb.	..	..	Oralate scales, 25 lb. cans.. D	.97	1.00
GLUE, pure white, bbls.. D	.22	.26	bbls.	..	.08	Oxide, red, Spanish	.02%	.03%
Medium white, bbls.. D	.20	.24	100 vol. 140 lb. chys.. D	.34	.37	English	.10	.13
French, bbls.. D	.18	.25	USP Soln. 375 lb. bbls.. D	.04	.05	Ferchloride, see Ferric Chloride	..	..
High Grade, bbls.. D	.35	.40	100 vol 145 chys.. D	..	.45	& Ammon. Oxalate, 25 lb. bbs. D	.07	.40
Bone, regular, bbls.. D	.10	.13	USP bot. 4 oz. cans.. D	7.75	8.00	& Potassium Oxalate, 25 lb. bbs. D	.41	.44
Fish, bbls.. D	1.50	1.75	Bot. 8 oz. cans.. D	11.10	12.00	& Sodium Oxalate, 24 lb. bbs. D	.32	.35
Hide bbls.. D	.14	.24	Bot. 16 oz. cans.. D	18.25	19.00	Phosphate, USP, 50 lb.. D	..	.69
GLYCERIN, C. P., 550 lb. drums.. D	..	.19	Hydroquinone, 100 lb. kegs.. D	1.40	1.50	Pyrophosphate, USP, 50 lb.. D	..	.74
Cans, 50 lb.	.30	.32	Hyosine Hydrobrom, USP 1 oz.	..	12.57	JALAP RESIN, lump, 5 lb. tins.. D	3.75	4.00
Dynamite, 100 lb. drs.. D	.18	.18%	Five oz., 1 oz. vial.. D	..	12.07	Powd. tins	4.00	4.25
Saponification, tanks.. D	..	.13%	Hyocyanine Alk. Cryst., 1 oz. vial.. D	..	20.07	Kapoc, 200 lb. double bales.. D	.28	.29
Soap, Lye, tanks.. D	..	.12	Alkaloid, Amorphous, 1 oz. vial.. D	..	75.07	KIESELGUHR, 95 D bags NY.. lon	60.00	70.00
Gua Powder, see chrysanthemum			Hydrobromide, USP, 1 oz. vial.. D	..	35.07	LANOLIN, see Adeps Lanæ	..	..
Graphite, crude, 220 lb. bags.. lon	15.00	35.00	Sulfate, 1 oz. vial.. D	..	20.07	Larch, 25%, 600 lb. bbls., wks.. D	.03%	.04
Flake, 500 lb. bbls.. D	.05	.09	Hyperic, 51°, 600 lb. bbls.. D	.15	.17	Powd., 100 lb. bags, wks.. D	.07	.08
Ground, lump, bbls.. D	.04	.05	Hyperic, chips	..	.06%	LEAD, metal c/INY	..	.08
Gualacol liquid, USP, 25 lb. cans.. D	2.30	2.35	INDOL, C. P., 1 oz. bot.. D	6.00	6.50	Acetate, white crystals, 500 lb.	..	..
Benzonate, 1 lb. bot.. D	..	13.00	Iodides, see Potas. Iodide, etc.	..	..	bbls., wks.. D	.14%	.15
Carbonate, 5 lb. boxes.. D	2.75	3.00	Indigo, Madras, bbls.. D	1.25	1.30	100 to 250 lb. kegs, wks.. D	..	.15%
Second Hands	2.15	2.35	Indigo, 20% paste, drums.. D	.15	.16	White, broken, bbls., wks. 100 lb	14.25	14.75
HAARLEM OIL, Dom. 6 gr. oz. gr	..	3.25	IODINE, crude, 200 lb. kegs.. D	..	4.20	White, gran. bbls., wks. 100 lb	16.00	16.50
Imported, 5 gr. cans.. D	3.75	4.00	Resublimed, 10 lb. jars.. D	4.65	4.70	White, powd., bbls wks, 100 lb	..	16.00
Halazone, 5 lb. bot.. D	2.75	3.25				Brown, broken, bbls., wks.. D	.14%	.15

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Chemicals

LEAD ACETATE (Cont.)

USP, 100 lb kgs.....D	.19	.19%
Arsenate, 100 lb kgs.....D	.13	.14
Bbls. c/l wks.....D	.12%	.13
Bbls., 1c/l wks.....D	.13	.13%
Paste, 100 & 600 lb bbls..D	.08	.09
Iodide, USP, VIII 5 lb bot..D	3.20	3.40
Nitrate, 500 lb bbls. wks..D	..	.12
Oxide, litharge, 500 lb bbls..D	..	.11%
100 lb kgs, wks.....D	..	.15%
Oxide, red, 500 lb bbls. wks..D	..	.11%
100 lb kgs, wks.....D	..	.18%
Peroxide, 100 lb drs.....D	.25	.30
White, basic carb. 500 lb bbls. wks.....D	..	.10%
100 lb kgs, wks.....D	..	.14%
White, sulfate 500 lb bbls. wks..D	..	.10%
Bbls., c/l wks.....D	..	.10%
Leucine Ext. Mass, cases.....D	.11	.13
Compound powder, bbls.....D	.38	.40
Powdered.....D	.25	.30
Sticks, 1 ca. 100 lb cases.....D	.45	.50

LIME, (Salts, see Calcium Salts)



Ground Stone, bags.....ton	..	4.50
Live, Bulk.....ton	..	8.50
Live, 325 lb bbls. ton lots	..	1.05
wks. 100.....D	..	1.08
Single bbl., wks.....100 lb	..	.85
Hydrated, 167 lb bbl. ton lots, wks.....100 lb	..	.01
Single bbl. wks.....D	..	.03%
Oxide Shell, 150 lb bbl. drg. D	..	.08%
Sulfur, dry 200 lb drs NY D	..	.08
Drs. c/l NY.....D	.15	.16
33° Soln. 50 gal bbls NY gal	5.25	6.75
Linalool, 5 lb bot.....D	1.50	1.60
Litharge see lead oxide	1.80	1.90
Lithium Carb. USP, 100 lb kgs..D	1.70	1.75
Bromide, 100 lb ca.....D	..	8.48
Citrate, USP, 100 lb kgs.....D	..	.06%
Iodide, 5 lb bot.....D	..	.06%
Lithopone, 400 lb bbls, 1c/l wks..D	..	.06%
Bbls., c/l wks.....D	..	.06%
Bags, c/l wks.....D	..	.06%

LITHOPONE (Continued)

Imported, 400 lb bbs.....D	.06	.06%
Litmus Cubes.....D	.90	1.00
Logwood, 51°, 600 lb bbls.....D	.08%	.08%
Lower grades.....D	.07	.08
Solid, 50 lb boxes.....D	.12	.15
LOGWOOD, sticks.....ton	23.00	27.00
Chips, 150 lb bags.....D	.03	.03%
Luminal, see Phenylethylmalonylurea	..	..
Madder, Dutch.....D	.28	.30
MAGNESITE, crude.....ton	..	15.00
Calcined, 500 lb bbls.....ton	..	48.00
Magnesium mtl., sticks 100 lb cs. D	1.25	1.30
Carb. tech. 70 lb bags NY.....D	..	.08%
75 lb bbls. NY.....D	.09	.11
USP, 100 lb bbls.....D	..	.09%
USP, blocks 100 lb cs. 1, 2, 4 ca.....D	.17	.19
Chloride, fused 575 lb drs. c/l wks.....ton	..	34.00
Flaked, 350 lb drs. wks c/l ton	..	36.00
Imp., fused 900 lb bbls NY ton	28.00	30.00
Fluorsilicate, crystals 400 lb bbls. wks.....D	.13	.15
30% soln. 500 lb bbls. wks. D	.07	.07%
Soln. bbls, c/l wks.....D	..	.06
Glycerophosphate, 5 lb tins.....D	..	3.25
Hypophosphite, 5 lb cans.....D	..	1.05
Oxide, USP light, 100 lb bbls. D	..	.42
USP, heavy, 250 lb bbls. D	..	.50
Peroxide, 5 lb cans.....D	..	2.40
Perborate, 1 lb tins.....D	..	2.62
Salkylate, 100 lb kgs.....D	.75	.80
Sulfate see Epsom Salts	..	..
Manganese Borate, 30%, 200 lb bbls.....D	..	.24
100 lb kgs.....D	..	.25
Chloride, 600 lb cks.....D	.04	.06%
Dioxide, 80-84% 900 lb bbls. NY.....ton	80.00	85.00
85-90%, 900 lb bbls. NY ton	85.00	90.00

MANGANESE DIOXIDE (Cont.)

Hydrated, precip. 100 lb kgs. D	.15	.23
Glycerophosphate, 5 lb tins.....D	2.90	3.00
Hypophos USP VIII 5 lb vana. D	..	1.40
Iodide, 1 lb bot.....D	..	8.65
Ore, bulk, NY.....D	.43	.44
Sulfate, 600 lb casks, NY.....D	.07	.07%
Mangrove, 55% 400 lb bbls.....D	.04%	.05
Mangrove bark, African.....ton	..	nom.
Shipment.....ton	..	43.00
Marble Flour, bulk.....ton	10.00	12.00
See also Calcium Carbonate	..	..
MENTHOL, USP, 60 lb cases.....D	..	10.75
Less case, 5 lb tins.....D	..	12.25
Synthetic.....D	..	8.00
MERCURY, metal, 75 lb flasks, flask	..	82.50
Less Flasks, 5 lb jugs.....D	..	1.20
Bichloride, cryst. 25 lb bxs.....D	..	1.20
Gran. powd., 200 lb kgs D	..	1.11
Bisulfate, 25 lb boxes.....D	..	1.10
Blue Mass, 25 lb boxes.....D	..	.71
Powdered, 25 lb boxes.....D	..	.73
Blue Ointment, USP, 25 lb cans	..	.94
50% USP, dilute 25 lb cans 30% D	..	.71
33% Mercury.....D	..	.80
Calomel, 50 lb bxs.....D	..	1.37
Citrine Ointment, 25 lb jars..D	.54	.56
Iodide, green 25 lb jars.....D	..	4.10
Red, USP, 25 lb jars.....D	..	4.20
Yellow, USP, VIII 25 lb jars D	..	4.10
Oxide, Yellow, USP, 25 lb bxs. D	1.00	2.04
Tech.....D	..	1.43
Red Precip. USP, 25 lb bxs. D	..	1.48
Powder, USP, 25 lb bxs.....D	..	1.58
White Precip. USP, 25 lb bxs. D	..	1.59
Powdered, USP, 25 lb bxs. D	..	1.64
With chalk, USP, 25 lb bxs. D	..	.71
Meta-Nitroaniline.....D	.73	.77
Meta-Nitro-para-Toluidine, 300 lb bbls.....D	2.00	2.05

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Chemicals

Meta-Phenylenediamine, 800D			MORPHINE (Cont.)			Nitrobenzene, crude, 1000D drs.		
bbls.	D	.90 : .95	Acetate, 5 ea. time 10 ea. lots	...	7.35	Redistilled, 1000D drs. wks.	.09 : .09%	.09%
Meta-Toluylenediamine, 800D			Hydrobromide, 5 ea. time 10 ea. lots	...	7.35	Nitrobenzene Material, 550D bbls.	3.35 : 3.50	.10%
bbls.	D	.78 : .80	Hydride, 5 ea. time 10 ea. lots	...	7.35	Nitrobenzene, mixed 1000D drs.	.20 : .21	
METHANOL (Wood Alcohol)			Ethyl Hydride, 1/4 ea. via 10 ea.	...	9.35		.14 : .15	
95% tanks	gal	...	Small 81ms: 1/4 ea. vials, 50c extra; 1/2 25c extra; single ea. via, 7c extra, over price for 5 ea. time 25 ea. lots in 5 ea. time, 10c ea. lower than above schedule. Less than 10 ea. lots 15c ea. higher than above schedule.	...		Nutmegs, see Crude Drugs		
Drums, c/l	gal	...				Oak bark, whole	20.00 : 23.00	
Drums, lc/l	gal	...				Ground	35.00 : 40.00	
97% tanks	gal	...				Oak, tanks, wks.	...	.03%
Drums, c/l	gal	...				23-25% liq. 600D bbls wks	.04% : .04%	
Drums, lc/l	gal	...				Ochre	...	.03%
Pure, Acetate free, tks	gal	...				Oil Fuel, see Fuel Oil		
Drums, c/l	gal	...				OIL MINERAL, wh. 50 gal. bbls.	1.80 : 1.25	
Drums, lc/l	gal	...				Oil Mirbane, see nitrobenzene		
Bbls. incl. 5c sugar						Opium, see crude drugs		
Methyl Acetone, 100 gal. drums			Monk Ambrette, 1D cans	...	11.75	Orange Mineral, 1100D cans NY	...	.14
Tanks, cars	gal	...	Myrobalans, 25% liquid bbls.	...	.04%	700D bbls, NY	...	.14%
Chloride, 90D c/l	gal	...	50% solid, 50D boxes	...	.08%	Ortho-Aminophenol, 50D kgs.	2.15 : 2.25	
Salicylate, USP, 50D cans	D	...	Imported	...	.06%	Ortho-Anilidine, 100D	2.75 : 3.00	
500D drums	D	...	Myrobalans, bags J1	...	71.00 : 72.00	Ortho-Dichlorobenzene, see Dichlorobenzene		
Second Hands, cases	D	...	J2	...	55.00 : 60.00	Ortho-Nitrochlorobenzene, 1200D	...	.37
Methylene Blue, tech. 100D kgs.	D	1.25 : 1.50	NAPHTHA, See Solvent Naphtha			Ortho-Nitrophenol, 350D	.90 : .95	
USP, medicinal 5D cans	D	2.00 : 2.30	NAPHTHALENE, Flaks, 175D bbls.	...		Ortho-Nitrophenol, 1000D drs.	...	.20 : .20%
Michler's Ketone, 225D bbls.	D	3.00 : 3.25	wks.	...	.05% : .06%	Ortho-Tolidine, 350D bbls.	.25 : .27	
Milk, powd. 150D bbls.	D	.14 : .15	Bbls., c/l wks.	...	.05 : .05%	Osage Orange, 51° liquid	.07 : .07%	
Milk Sugar, see sugar of milk			Bbls., second hands, NY	...	.06% : .07	Powd., 100D bags	.13% : .14	
Mineral Oil, see oil mineral			Bbls., c/l wks.	...	.06% : .06%	Crystals	.16 : .17	
Mineral Rubber	ton	35.00 : 75.00	Bbls., second hands NY	...	.06% : .06%	Oxgall, USP, 5D bot.	1.75 : 2.50	
Monosaccharine, 50 gal. drums	D	.45 : .50	Crushed, shipped, lgs., wks.	...	.05 : .05%	Purified, 5D bot.	2.00 : 2.50	
Monochlorobenzene, see chlorobenzene			Crude, imp., bags	...	.03 : .03%	Crude, 5D bot.	1.00 : 1.25	
Monethylaniline, 800D drs.	D	.70 : .80				PALLADIUM, metal 10 ea. lots	80.00 : 81.00	
Monomethyl para-methoxyphenol sulfate, 100D drs.	D	3.95 : 4.20				Pancreatin, USP, 5D bot.	2.50 : 2.75	
MORPHINE Sulfate, USP 5 ea. time 10 ea.	...	7.35				Papain, 10D bot. USP, Powd.	2.75 : 3.00	
						Crude, 150D cases	2.30 : 2.40	
						Paraffin, ref'd 200D ea. slabs	...	.06% : .06%
						123-127 Deg. M. F.		

GIVAUDAN-DELAWANNA

Vanillin

—DELAWANNA—

Vanillin with True
Vanilla Bean Flavor



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Chemicals

PARAFFIN (Cont.)

128-132 Deg. M. F. D	.07%	.07%
133-137 Deg. M. F. D	.08	.08%
138-140 Deg. M. F. D	.08%	.09

Para-Aminoacetanilid, 100 lb

kegs	1.00	1.05
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Para-Aminophenol, 100 lb kegs

kegs	1.10	1.16
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Hydrochloride, 100 lb keg

keg	1.25	1.30
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Para-Dichlorobenzene, 150 lb bbls

wks	.17	.30
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35-50 lb kegs

kegs	.18	.22
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Paraldehyde, USP, 100 gal. drs

gal	.48	.48
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Tech

	.80	.80
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Para-Cymene, Refd., 110 gal drs

gal	2.25	2.50
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Paraformaldehyde, USP, 100 lb cs

cs	.42%	.45
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Para-Nitroacetanilid, 300 lb

bbls	.50	.55
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PARA-NITROANILINE, 300 lb bbls

wks. ton	.58	.60
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Para-Nitrochlorobenzene, 1200 lb drs

dr	.20	.22
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Para-Nitro-ortho-Toluidine, 300 lb

bbls	2.75	2.85
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Para-Nitrophenol, 185 lb bbls

bbls	.50	.55
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Para-Nitrodimethylaniline, 120 lb

bbls	.92	.94
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Para-Nitrotoluene, 350 lb bbls

bbls	.38	.40
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Para-oxo Benzaldehyde, 100 lb

kegs	.170	.170
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Para-Phenetidin, 500 lb drs

dr	1.55	1.80
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Para-Phenylenediamine, 350 lb

bbls	1.25	1.30
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Para-Toluene-Sulfonamide, 175 lb

bbls	.40	.41
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Para-Toluene-Sulfonchloride, 410 lb

bbls	.18	.30
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Para-Toluidine, 350 lb bbls

wks	.68	.72
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PARIS GREEN

Arsenic Basis, 500 lb kegs	.19	.20
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Kegs, 100 lbs	.21	.22
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Kits, 56, 28, 14 lbs	.22	.23
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PARIS GREEN (Cont.)

Packages, 5 and 2 lbs	.23	.24
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Packages, 1 lb, 1/2 lb, 1/4 lb	.25	.26
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Paris White, see whitening French

Pepsin, USP, 5 lb bot. 1:3000	2.25	2.50
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15,000 bottles	4.00	4.25
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1:10,000 bottles	6.65	7.25
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Peptone, powd., 5 lb	1.70	1.80
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Persian Berries	.27	.30
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PETROLATUM, green 300 lb bbls

bbls	.02%	.03
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Dark Amber, 300 lb bbls	.04%	.04%
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Light Amber, 300 lb bbls	.04%	.05
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Cream White, USP 300 lb bbls	.07	.07%
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Snow White, USP, 300 lb bbls	.13%	.14
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Idly White, USP, 300 lb bbls	.10	.10%
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Phenol, see also acid carbolite

Makers, 950 lb drums, spot	.23	.24
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Small drums, 240-100 lb	.24	.26
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Open market, drums	.24	.24
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240 lb des. drs. wks	.25	.25
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Natural, 240 lb des. drs. wks	.25	.25
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Phenolphthalein, USP, 100 lb drs	1.30	1.40
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5 lb cans, 100 lb lots	1.40	1.50
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Phenyl-Alpha-Naphthylamine 100 lb	1.23	1.29
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kegs	1.23	1.29
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Phenylethylalcohol, 1 lb bot. Dom	8.00	10.00
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Imported	7.00	7.75
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Phenylethylmalonylurea, on pks	.50	.50
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Phosgene, 100 lb cylinders	.60	.65
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Phosphate Acid, 16% Bulk wks. unit	.60	.65
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Phosphate Rock, f.o.b. mines	2.40	2.50
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Florida Pebble, 68%	2.75	2.85
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Florida Pebble, 70%	4.00	4.00
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Florida Pebble, 75-74%	5.50	5.50
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Tennessee, 72%85	.40
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Phosphorus Oxysulfide, 175 lb cyl	.70	.75
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Phosphorus, red 110 lb cs	.32	.32
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Yellow, 110 lb cs, wks	.32	.32
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Imported, 113 lb cans	.32	.32
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Phosphorus Trichloride, 175 lb cyl	.45	.45
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wks	.45	.45
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Phthalic Anhydride, 100 lb bbls

wks	.18	.20
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PHLOGARPHINE HYDROCHLORIDE, USP 25 oz

lots, 1 oz. vials	4.00	4.50
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Nitrate, 25 oz	4.00	4.00
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Single, oz.	4.50	4.50
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Alkaloid, 15 gr. vls	.85	.85
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Pine Oil, stm. dist. bbls	.68	.66
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Destructive dist.	.68	.64
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Piperazine Hydrate, 1 lb bot	15.00	15.00
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Piperidine, 25 oz	1.10	1.25
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Pitch, Coal-Tar, wks	24.00	26.00
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Pitch, prime	6.00	6.50
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Plaster Paris, tech 250 lb bbls	3.30	3.30
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True Dental, 300 bbls	4.50	4.50
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Platinum, metal soft 10 oz. lots	119.00	119.00
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Podophyllin, 5 lb bot	4.50	4.75
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Second Hands	4.30	4.40
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POTASH SALTS, rough

Pot. Murate, basis, 80% bgs. ton	34.55	34.55
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Pot. Sulfate, basis, 90% bgs. ton	45.85	45.85
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Pot. & Mag. Sulfate, basis 48%	26.35	26.35
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Manure Salts, basis, 30% bulk ton	17.50	17.50
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Manure Salts, basis, 20% bulk ton	11.00	11.00
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Kainit, basis, 12.4% bulk ton	7.75	7.75
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Bulk in bags, \$2.00 extra		
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Prices c.i.f. Atlantic & Gulf Ports		
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Discounts, 50 tons, 5%; 500 tons, 10%		
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POTASH, CAUSTIC, solid 88-92%

700 lb drs. wks	.07%	.07%
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Imp., 88-92% 700 lb drs. NY	.07%	.07%
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GRF. by alcohol 5 lb cans	.46	.48
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cans	.30	.35
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POTASSIUM Acetate, USP, 100 lb

kegs	.29	.30
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Second Hands, kegs	.26	.28
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Bicarbonate, crys. 320 lb bbls	.09	.10
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Bichromate crys., 900 lb cans	.08%	.08%
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Powd., 900 lb cans, wks	.11	.12
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Binoxalate, 300 lb bbls	.16	.18
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Import, 112 lb bbls	.18	.19
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SELDEN Brand **PHTHALIC ANHYDRIDE**
99.99%
Pure

Highest quality obtainable.

Guaranteed uniform purity.

Long needle crystals.

Packed in paper lined, wooden barrels.

Prices on application.

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Pittsburgh, Pa., U.S.A.

Chemicals

POTASSIUM (Cont.)

Bisulfate, C.F., 5 lb cans....D30
100 lb bags.....D22
Bromate, 100 lb cs.....D	.85	.98
BROMIDE, USP, cryst., 450 lb		
bbis.....D	.48	.49
Granular, 300 lb bbis.....D	.48	.49
Cases, 100 lb.....D	...	.50
Imported, USP, 220 lb. cs D	.37½	.40
Shipment.....D	...	.43½
CARBONATE, 80-85% calc.		
800 lb cks.....D	.05½	.06
80-85%, hydrated, 800 lb		
cks.....D	.05½	.06
90-95% calc. cases.....D	.06	.06½
96-98% calc. cases.....D	.06½	.06½
99% calc. cases.....D	...	.07½
USP, 100 lb bags.....D	.10½	.11
99% C.F., cases.....D	...	.13½
Chlorate, crys., 112 lb bags c/l		
wks.....D	.08½	.09
Imp. 112 lb bags, NY.....D	.09	.09½
Powd., 112 lb bags, wks.....D	.08½	.09
Imp. bags, NY.....D	.08½	.09
Gran. Imp. 112 lb bags NY.....D	.10½	.11
Pyrotechnic, line powd. NY.....D	...	.07
USP, fine crys. 110 lb bags		
NY.....D	.14	.15
Chloride, crys., bbis.....D	.04½	.04½
Citrate, USP, 50 lb.....D	...	.60
Cyanide, 110 lb cases.....D	.58	.60
Glycerophosphate, 75% Soln. 35 lb		
tins.....D	1.35	1.50
Guaiacol Sulfonate, 5 lb cans		
10 lb.....D	2.00	2.25
Hypophosphite, 10 lb cans.....D	.80	.85
Iodide, USP, 100 lb cases.....D	3.45	3.50
Lactophosphate, 4 oz. tins.....D	...	.90
Metabisulfite, 300 lb bbis.....D	.10	.11
Imp., 550 lb bbis.....D	.09	.10

POTASSIUM (Cont.)

Muriate, 80%, 200 lb bags, NY		
K ₂ O unit	...	.63
Nitrate, see Saltpetre		
Oxalate, neutral 100 lb bags.....D	.16	.19
Perchlorate, 112 lb bags, Mc-Apr. D	.11	.12
PERMANGAN, USP, crys. 500 lb		
& 100 lb dra., wks.....D	.15	.16
Imp., 113 lb dra.,.....D	.14½	.15
Pumiliate, red, 500 lb cases.....D	.37	.37½
Pumiliate, yellow, 500 lb cases.....D	.18½	.19
Salicylate, 25 lb cans.....D		
Sulfate, 200 lb bags, NY, K ₂ O unit	...	.85
USP, VIII, 100 lb bags.....D	...	.15
Sulfocyanide, CP 25 lb jars.....D	...	.50
Tartrate, neutral, 100 lb bags.....D	...	.51
Titanium Oxalate, 200 lb bbis.....D	.25	.27
Pumice Stone, lump, 250 lb bbis.....D	.04½	.06
Lump, bags.....D	.03½	.05
Powdered, 350 lb bbis.....D	.03½	.03
Pyridine, 50 gal. drum.....gal	4.40	4.50
Quebracho Bark.....ton	...	120.00
QUEBRACHO, 35% liquid tins.....D		
450 lb bbis.....D	.03	.03½
35% bleaching, 450 lb bbis.....D	.03½	.04
Solid 65%, 100 lb bales.....D	.04½	.05½
Clarified, bales.....D	...	.05
Quercitron, 51°, 450 lb bbis.....D	.06½	.08
Solid, 100 lb boxes.....D	.10½	.13
Quercitron bark, rough.....ton	...	14.00
Ground.....ton	24.00	25.00
QUICKSILVER, see Mercury		
Quinidine Alk., 100 oz. tins.....oz	.70	.75
Sulfate, 100 oz. tins.....oz	...	.50
Quinidine, see Chinidine		
QUININE SULFATE, USP.		
American, 100 oz. tins.....oz	...	.50
1 oz. tins, 100 oz. lots.....oz	...	.87
Dutch 100 oz. tins.....oz	...	.50

QUININE SULFATE, USP,

Java, 100 oz. tins.....oz	...	.50
Japanese, 100 oz. tins.....oz	...	.50
Acetate.....oz	...	.88
Arsenate.....oz	...	.88
Benzoate.....oz	...	.88
Bisulfate, USP.....oz	...	.50
Citrate.....oz	...	.62
Dihydride, USP.....oz	...	.66
Dibromide.....oz	...	.66
Dicarbonate, 10 oz. tins.....oz	...	2.50
Ethyl Carbonate, 16 oz. tins.....oz	...	.91
Ferrocyanide.....oz	...	.88
Formate.....oz	...	.85
Glycerophosphate.....oz	...	.88
Iodide.....oz	...	.88
Hydrobromide, USP.....oz	...	.62
Hydrochloride, USP.....oz	...	.62
Hydrochlorumate.....oz	...	.66
Hydride & Urea, USP.....oz	...	.88
Hypophosphite.....oz	...	.88
Lactate.....oz	...	.78
Phenolsulfonate.....oz	...	.88
Phosphate.....oz	...	.74
Salicylate, USP.....oz	...	.63
Tannate, USP.....oz	...	.45
Tartrate.....oz	...	.88
Valerate.....oz	...	.89

Small Sizes: 1oz vials or cans, 50oz. lots, 5c oz extra; 50oz. cans, 50oz. lots 2c oz extra; 25oz. cans, 50oz. lots, 2c oz extra; single 1oz. vials or cans, 5c extra. All minor quinidine salts sold and quoted basis 100oz lots in 100oz cans. Sulfate and bisulfate sold basis 100oz. lots in 100 oz cans. Smaller orders or containers extra as above schedule.

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Chemicals

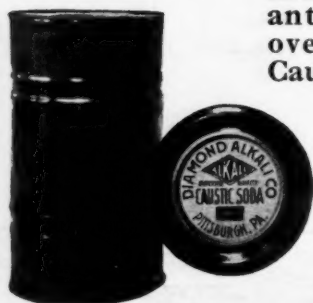
P SALT, 250 lb bbls, wks....D .45 : .47			SALTPETRE (Cont.)			SODA ASH (Cont.)		
Red Lead, see lead oxide			Less c/l wks, bbls.....D06%	c/l wks,100D	...	1.45
Red Precipitate, see mercury			Large Crystals, 350-400D bbls.,	...	.07%	Pmpt. and spot, Basis 58% bags	...	1.50
Bennet, N.P., 5lbs. (1.25,000) D	2.95	: 3.50	c/l wks .....D	...	.07%	c/l wks, .....100D	...	1.50
Resorcin, see resorcinol			Small Crystals, 350-400D bbls.,	...	.07	SODA CAUSTIC, 76% solid		
Resorcinol, tech., 100D bags....D	1.35	: 1.50	c/l wks .....D	...	.07	1-4 drums deliv'd NY..100D	...	3.91
USP, 25D cans .....D	2.25	: 2.35	Powdered, bbls. c/l wks....D	...	.07%	5 & Up drums deliv'd NY100D	...	3.76
Rochelle Salt, USP, 225D bbls..D	.19	: .19%	Imported, 500D bbls. NY....D	...	.06%	Ground & Flake, 76%		
Imp. USP, 300D bbls.....D	.20	: .20%	Santonin, USP, 1 lb bot.....D	155.00	: 160.00	1-4 drums, deliv'd NY..100D	...	4.31
Rosewater, triple, 5 gal. demis. gal	.90	: 1.10	Powd. 1lb bot.....D	158.00	: 162.00	5 & Up drs deliv'd NY..100D	...	4.16
Rosin, 100D bbls, gross for net.)			Saponin, ex Quillaja, 5 lb tins..D	1.00	: 1.10	1-4 bbls deliv'd.....100D	...	4.56
R	280D	...	Satin White, 500D bbls.....D	...	.91%	5 & Up bbls deliv'd.....100D	...	4.41
D	280D	...	Schaeffer's Salt, 250D bbls.wks.D	.60	: .65	Contract basis 76% c/l wks	...	3.10
E	280D	...	Scopolamine, see hyoscyne			100D	...	3.20
F	280D	...	Seidlitz Mixture, 225D bbls. ..D	.16%	: .16%	c/l wks, .....100D	...	3.20
G	280D	...	SILICA			Contract 74% low grade c/l	...	3.02
H	280D	...	Crude, bulk, mines.....ton	6.00	: 7.00	wks, flat .....100D	...	3.02
I	280D	...	Refined, floated, bags.....ton	18.00	: 30.00	Ground & Flake, 76% pmpt. and		
K	280D	...	Air floated, bags.....ton	32.00	: 50.00	spot, wks, c/l drs..100D	...	3.60
M	280D	...	Extra, floated, bags.....ton	55.00	: 65.00	Contract 76% drums c/l wks	...	3.50
N	280D	...	Colloidal, 12oz bot.....oz	...	2.80	flat .....100D	...	3.50
WG	280D	...	SILVER, metal, American.....oz	...	.67%	USP, stick, 10D cans.....D	.19	: .21
WW	280D	...	Silver Iodide, 16 oz. bot.....oz	...	.60	Pure, stick, by alcohol.....D	.25	: .27
(Sold in 600D bbls., gross for net,			Nitrate, 16 oz, bot.....oz	.45%	: .47%	Soda Sal. see Sodium Carbonate		
quotations based on a unit of 280D).			Nucleinate, 16oz. bot.....oz	.34	: .38	Sodium Metal, 12 1/2 lb bricks..D	...	.27
Rosin Oil first run, 500 gal bblsD	.58	: .60	Proteinates, 16 oz. bot.....oz	.34	: .38	SODIUM ACETATE, crys. 450D bbls.		
Second run, bbls.....D	.61	: .63	Soap, Castile 40 lb bxs.....D	.20	: .25	wks. ....D	.05%	: .06
Roten Stone, lump imp., bbls..D	.07	: .08	Powd. USP, 250D bbls.....D	.28	: .30	Aluminate, 500D bbls, wks..D	.07%	: .08
Lump selected, bbls.....D	.09	: .12	Green, USP, 150D kegs.....D	.07%	: .08%	Aluminum Sulfate, see alum. soda		
Powdered, bbls.....D	.02	: .05	Soapstone, see Talc. crude			Arsenite, 4D mat. wks.drums.gal	.50	: .50
Domestic, bags, mines.....ton	24.00	: 30.00	SODA ASH, 58% light			Drums, 8D material, wks..gal	1.00	: 1.20
SACCHARIN, USP, 10D cans, 25D			1-4 bags, deliv'd NY..100D	...	2.19	Benzoate, USP, 100D bbls..D	.59	: .63
D	1.75	: 1.85	5 & Up bags deliv'd NY..100D	...	2.44	Borates.....D	.59	: .60
Soluble, USP, 10D cans, 25D..D	1.75	: 1.85	1-4 bbls, deliv'd NY..100D	...	2.04	Bicarbonate, 400D bbls, NY100D	...	2.25
Sago Flour, 150D bags.....D	...	.05	Bbls. c/l wks .....100D	...	2.29	Bbls. c/l wks .....100D	...	2.06
Sal Ammoniac, see Ammon. Chloride			Contract Basis 58% bags c/l			112D kegs, wks.....D	...	2.25
Sal Soda, see Sodium Carbonate			wks, .....100D	...	1.33	112D kegs, NY.....100D	...	2.50
Salicin, USP, 1 lb cartons, 25D D	4.75	: 5.00	Prompt and spot, Basis 58% bags	...	1.43	Richmonte, 600D casks wks..D	.06%	: .07
Salol, USP, 100D drums.....D	.85	: .95	c/l wks, .....100D	...	1.43	Casks, c/l NY.....D	.06%	: .07
Salt, Common, see sodium chloride			Contract, Basis 58% dense bags			Casks, NY.....D	.06%	: .06%
Salt Cake, c/l f, o, b, wks.....ton	17.00	: 20.00				Bisulfite, dry powder, 500D		
SALTPETRE, Double Refinee						bbls. wks .....D	.06	: .04%
Granular, 400-500D bbls	...							
c/l wks .....D	...	.06						

Quality First

—and Always



There is no need for specifications when you order Diamond Alkalies—The quality is guaranteed—Diamond Soda Ash over 99% pure—Diamond Caustic Soda over 98% pure.



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PITTSBURGH, PA.



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Solvay 58% Soda Ash
Dense—Light
Solvay Fluf (Extra Light Soda Ash)
Solvay 76% Caustic Soda
Solid—Flake—Ground
Solvay Super Alkali
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(Trademark Registered)
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Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda
Solvay Calcium Chloride 73%—75%



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Chemicals

SODIUM—(Continued)

BROMIDE, USP, 450 lb bbls.. D	.48	.49
Cases, 50 lb48	.49
Imp. USP, 220 lb cases.... D	.42	.43
Shipment .....	..	.42
Bromate, 100 lb ca. D	..	1.13
Caedylate, USP, 25 lb		
5 lb bot	5.80	5.90
Carbonate Sal Soda 350 lb. bbls.		
1c/1 NY	1.30	1.35
Works c/1	1.10	1.30
Monohydrate, 400 lb bbl.		
1c/1 NY .....	..	2.40
Pure photographic 100 lb		
keg .....	.06	.08
Chlorate, 112 lb kegs, wks.... D	.06 1/4	.06 3/4
Imported, 112 lb kegs .....	.06 1/4	.06 3/4
Chloride, tech	12.00	13.00
C. P., 300 lb bbls. D	.05	.06
Chromate 800 lb bbl. D	..	.08
Citrate, USP, IX, 50 lb kegs.. D	..	.09
USP, VIII, 50 lb kegs.... D	..	.52
Cyanide 96-98% 100 lb cases		
wks .....	..	.22
Ton lots, wks. D	..	.21
75-76% 100 lb cases, wks. D	..	.19 1/4
125-128% 200 lb ca. D	.20	.20 1/4
120-125% 200 lb ca. D	.17	.18
118-120% 200 lb ca. D	.16	.17
Fluoride, 300 lb bbls., wks.... D	.09	.09 1/4
Imp. 350 lb bbls .....	.09	.09 1/4
Glycerophosphate USP cryst. 25 lb		
case	1.40	1.55
Powder, 25 lb tins	1.45	1.60
Solution, USP, 25 lb tins.. D	1.05	1.20
Hydroxide, see Soda Caustic		
Hypochlorite Soln., 100 lb chyn D	..	.05
14 1/2 % soln., 50 lb chyn D	..	.04
Hydroxide, 200 lb bbls. f. a. b. wks. D	.22	.24
For Stripping, 50 lb cases.. D	.30	.33
Hypophosphite, USP, 25 lb cases		
D .....	.70	.75

SODIUM—(Continued)

HYPOSULFITE, tech. pea crys.		
375 lb bbls., wks. D	2.65	3.05
Bbls., c/1 wks. D	..	2.50
100 lb kegs, wks. D	2.75	3.30
Imp. D	..	2.25
Regular crys., bbls. wks. D	2.40	2.65
Bbls., c/1 wks. D	2.40	2.50
Keps, wks. D	3.00	3.10
Imp. D	..	2.75
Iodide, USP 25 lb jars.... D	4.25	4.30
Metadate, 150 lb bbls. D	.70	.75
Naphthionate, 300 lb bbls.... D	.57	.60
Nitrate crude, 95% 200 lb bgs		
c/1 NY .....	..	2.55
June shipment NY .....	..	2.52 1/4
Double Refined 400 lb bbls		
gran. c/1 wks. D	..	.04 1/4
Powdered, bbls. c/1 wks.. D	..	.05 1/4
Nitrite, 500 lb bbls., spot makers D	..	.09
Imp. 650 lb cases .....	.09	.09 1/4
Ortho-Chloro-Toluene Sulfonate,		
175 lb bbls., wks. D	.25	.27
Oxalate, neutral, 100 lb kegs.. D	.20	.23
Perborate, 275 lb bbls. D	.21	.22
Imp. 225 lb drs. D	.21	.22
Peroxide, 200 lb cases .....	.22	.24
Phosphate, di-sodium, tech. 550 lb		
Bbls. D	3.40	3.75
USP gran. 275 bbls.. D	.07	.07 1/4
Imp. gran. D	.05 1/4	.06
USP, Crystal, 275 bbls.. D	.07 1/4	.08
Mono-sodium, 100 lb kegs.. D	.30	.31
Tri-sodium, tech. c/1 bbls. D	.03 1/4	.04 1/4
Picramate, 100 lb kegs .....	..	.60
Para-Toluene Sulfonate 175 lb		
bbls. D	.08	.09
PRUSSIAN, yellow, 350 lb bbls.		
wks. D	.10 1/4	.10 3/4
Imp. 50 lb cks .....	.10 1/4	.10 3/4
Pyrophosphate, 100 lb kegs .. D	.24	.26
Silicylate, 100 lb kegs .....	..	.40
Second Hands, USP, kegs.. D	.37	.40

SODIUM—(Continued)

Silicate, 40° turbid, tanks		
wks. D	..	.75
55 gal. drums, wks. D	.85	1.10
40° clear, tanks, wks. D	..	1.10
55 gal. drs., wks. D	1.30	1.45
42° turbid, tks., wks. D	..	.80
55 gal. drs., wks. D	.90	1.15
42° clear, tanks, wks. D	..	1.35
55 gal. lrs., wks. D	1.35	1.75
Silicofluoride, 450 lb bbls. NY. D	.04 1/4	.04 3/4
Stannate, 100 lb drms. D	..	.39
Sulfate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls.		
c/1 wks. D	.03 1/4	.04
Imp. 250 lb bbls. D	.02 1/4	.02 3/4
Sulfide, 66% solid, 650 lb drs.		
1c/1 wks. D	..	.04 1/4
Drs. c/1 wks. D	..	.04
Imp. 700 lb drs. NY.... D	..	..
60% broken, 650 lb drs. wks. D	..	.04 1/4
Drs. c/1 wks. D	..	.04 1/4
30% crys. 440 lb bbls., wks. D	.02 1/4	.02 3/4
Imp. 400 lb bbls. D	..	..
Sulfite, crys. 400 lb bbls. wks. D	.03 1/4	.03 3/4
Anhydrous, 400 lb bbls. D	.09 1/4	.10
Sulfocarbonate, USP, 100 lb kegs D	.32	.34
Sulfocyanide, 400 lb bbls .....	.42 1/4	.45
Tungstate, crys. 100 lb kegs.. D	.70	.75
SOLVENT NAPHTHA, 110 gal.		
dra. wks. D	..	.30
8,000 gal. tank cars, wks. gal	..	.35
Spartan Sulfate, USP, 25ca. bulk, ca	.40	.50
Single ca. vial .....	..	.57
Spirits Turpentine, bbls. gal	1.05	1.08
Stm. dist. gal	.95	.98
Spruce, 25% liquid tanks, wks.. D	.91	.91 1/4
Powd. 50% 100 lb bags, wks. D	.92	.92 1/4
Starch, rice, 140 lb bags09	.10

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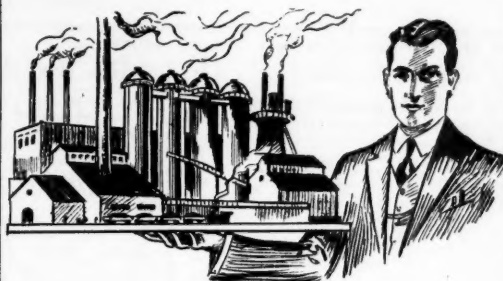
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Chemicals

STARCH, powd 140 lb bgs./1.100 lb	4.17	: 4.27	SULFUR			Tar, Coal Gas, Tks wks	.gal	.06	: .08
Bags, 1c/1	4.27	: 4.37	Crude, f.o.b. mines	14.00	: 15.00	Coke Oven, Tks, wks	.gal	.07	: .08
Pearl, 140 lb bgs c/1	4.07		Brimstone, 250 lb bags, c/1 100 lb	1.75	: 1.95	Water Gas, Tks, wks	.gal	.06	: .08
Bags, 1c/1	4.17	: 4.27	Less c/1 bags NY	1.85	: 2.10	Tar, kiln-burnt	.bbl		: 14.00
Potato domestic, 200 lb bags c/1 lb	.03%	: .04	Roll, 500 lb bbls, c/1 NY 100 lb	2.15		Retort	.bbl		: 14.00
Imported, bags duty paid.. lb	.06%	: .06%	Less c/1 bags NY	2.20	: 2.45	Tartar Emetic, tech. 700 lb bbls.. lb	.27	: .28	
Wheat, dom.	.06%	: .07	Flour, Heavy, 390 lb bbls, 100 lb	2.50	: 3.05	USP, 300 lb bbls	.lb	.31	: .34
Imp.	.07%	: .07%	Light, 100%, 260 lb bbls, 100 lb	2.60	: 3.15	Terpis Hydrate, USP, 100 lb bags.. lb	.45	: .47	
Sol. Potato	.07	: .07%	Rubermakers 100%, 240 lb			Terpineol, CP, 1000 lb drums.. lb	.38	: .40	
Steamed Bone Meal, 3 & 30 Ballton	27.00	: 27.50	bbls, NY	2.50	: 3.15	Cane, 50 lb	.lb	.42	: .45
STRONTIUM Bromide, USP, 50 lb			Commercial, 99%, 150 lb bgs.	1.35	: 1.65	Imported, cans 25 lb	.lb	.43	: .46
kgps	.51	: .52	NY	1.95	: 2.50	Terpinyl Acetate, 25 lb cans.. lb	1.65	: 1.85	
Carb. 600 lb bbls, wks	.07		For Dusting, 99%, 100 lb			Terra Alba, No. 1, 300 lb bbls, 100 lb	1.85	: 1.90	
100 lb kgs, wks	.08		bgs, NY	1.95	: 2.50	No. 2, bbls, 100 lb	1.25	: 1.35	
Iodide, USP, 25 lb jars.. lb	4.00		Flowers, 100%, 240 lb bbls	3.25	: 3.90	Tetralene, 50 gal drs, wks.. gal		: 1.45	
Nitrate, 600 lb bbls, wks.. lb	.08%	: .09	NY	.15	: .17	Theobromine Alk, 5 lb cans.. lb	3.60	: 3.75	
Imp, bbls, NY	.07%	: .08	Precipitated, 125 lb bbls, NY.. lb	.10		Sod. Salicylate, 1 lb bot.. lb		: 2.92	
Salicylate, USP, 100 lb kgs.. lb	.75	: .80	Lac, 125 lb bbls, NY			Thiocarbamid, 170 lb bbls.. lb	.24	: .26	
STRYCHNINE Alkaloid, USP, crys.			Sulfur Chloride, red, 700 lb drs.			Thymol, USP, 25 lb tins.. lb	3.60	: 3.90	
100 oz. tins	.81		wks	.05%	: .06	TIN metal Stralts NY		: .54%	
Japanese, cans	.75		150 lb chys, wks	.04%	: .05	Iodine, 5 lb boxes	7.25	: 7.50	
Alk. powd, USP	.71		Yellow, 700 lb drs, wks	.04%	: .05	American Standard, NY 100 lb		: 53.60	
Acetate	.80		150 lb chys, wks	.08	: .08%	99% American, NY.. 100 lb		: 53.30	
Glycerophosphate, USP	.80		Sulfur Dioxide, 100 lb cyl.	.08	: .08%	Stichloride, 50% soln. 100 lb		: .15%	
Hydrobromide	.80		Iodide, USP, VIII, 5 lb bot.. lb		: 4.55	bbls, wks		: .88%	
Hydrochloride	.80		Sulfuric Ether, see Ether	.65	: .70	Crystals, 500 lb bbls, wks.. lb		: .39	
Hydrophosphate	.80		Sulfuryl Chloride, 600 lb drs.. lb	.48	: .08	100 lb kgs, wks		: .57	
Nitrate, USP	.80		Sumac, liquid, 450 lb bbls.. lb	.10%	: .11%	Oxide, 300 lb bbls, wks.. lb		: .59	
Phosphate	.80		Stainless, 600 lb bbls.. lb	12.00	: 150.00	100 lb kgs, wks		: .31%	
Sulfate, USP, crys. powd.. lb	.87%		Sumac, Sicily, 100 lb bags.. ton	55.00	: 80.00	Tetrachloride, 1000 lb drs, wks.. lb	.13	: .14	
Saccharinate	1.93		Virginia, 150 lb bags	.68	: .70	Titanium Oxide, bbls, wks.. lb	.90	: .94	
Stychnine preparations quoted base			Destructive, distilled, bbls.. gal	40.00	: 50.00	Toldine, 350 lb bbls	.80	: .85	
1000s lots in 1000s tins, Small tins;			TALC, Italian 220 lb bags NY.. ton	30.00	: 35.00	Sulfate, 350 lb bbls.. lb		: .26	
1/4 oz vials, 50c extra; 1/4 oz vials, 25c			Refined, white, bags.. NY.. ton	38.00	: 45.00	Toluene, 8000 gal tank cars wks gal		: .37	
extra; single ounce vials, 1c extra. Lots			Dom., crvls, 100 lb bags NY.. ton	12.00	: 15.00	110 gal drs wks	.31	: .32	
of 25 oz. 5c higher than above			Refined, 100 lb bags NY.. ton	16.00	: 18.00	Toluidine, Mixed, 900 lb drs, wks.. lb	.90	: 1.00	
schedule. Lots of less than 25 oz.			Tankage, ground, NY.. unit	3.65	: 3.75	Toners, para red	1.90	: 1.90	
10c higher per oz.			High grade f.o.b. Chicago.. unit	3.00	: 3.25	Toluidine		: .37%	
Sugar Coloring (See Caramel)			Ss, Am, c.i.f.		: 3.80	Triacetin, 50 gal drs, wks.. lb		: 1.00	
Sugar Milk, USP, 200 lb bbls.. lb	.30	: .31	Tapioca Flour, high grade bags.. lb	.05%	: .06	Tribromophenol, 100 lb cases.. lb		: .73	
Second Hand, USP, bbls.. lb	.19	: .30	Medium grade, bags	.04%	: .05%	Trional, see Sulfonmethane		: .69	
Sulfonal, see Sulfonmethane	3.85	: 4.05	Low grade, bags	.03	: .03%	Triphenylguanidine		: .85	
Sulfonmethane, USP, 10 lb bbs.. lb	2.65	: 3.00	High grade	32.00	: 40.00	Triphenyl Phosphate, 450 lb bbls.. lb		: .85	

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Tripoli, 500 lb bbls	100 lb	2.50	3.00
Tungsten, NY	WU unit	11.25	11.50
Turkey Red Oil, bbls		.11	.12
Turpentine, see Sprits Turpentine			
(also, see Wood Turpentine)			
Ultramarine Blue		.15	.25
USA, pure, 112 lb cases		.18	.20
Valonia Caps, 30-31% tan.	ton	37.00	38.00
Beard, 42% tan, bgs.	ton	55.00	56.00
Mixtures, 36% tan.	ton	45.00	46.00
VANILLIN, USP, 500 oz cans.	oz		.49 1/2
Cans, 20 USP.	oz		.50
Cans, 16 oz.	oz		.61
Second Hands	oz	.47	.50
Venetian Red			.05
Vermilion, see Copper Subacetate			
Vermilion, Amer. 100 lb kegs		.35	.40
English, bgs.	lb	1.40	1.45
Vermilion Sulfate, 1 oz vial.	oz		1.85
Hydrochloride, 1 oz vial.	oz		1.85
Vernal, see Acid Diethylcarbituric			
Vulcone, 250 lb bbls, wks.			.84
Wattle Bark, bgs	ton	44.00	47.00
WHITE LEAD, see lead, white			
White Precipitate, see mercury			
Whiting, 200 lb bags, c/l wks.	100 lb		.90
Gilders, bags, NY	100 lb	1.00	1.15
French, bags, NY	ton		18.00
English, bags, NY	ton	21.00	23.00
Paris White	100 lb	1.30	1.50
Witch Hazel Extract, 50 gal. bbls.	gal	1.05	1.10
Wood Turpentine, atm. dist. bbls.	gal	.87 1/2	.90
AYLENE, 8° dist. range, nitration			
110 gal. drs NY	gal		.55
8° dist. range, 8000 gal. tanks			
Wks.	gal		.40
110 gal. drs wks.	gal		.45
10° dist. range, drums, wks.	gal		.40
Tanks, wks.	gal		.35
Commercial, 110 gal. drs, wks.	gal		.81
Tanks wks.	gal		.36
Krydine, crude	lb		.37
Refined	lb		.42

YARA YARA, 1 lb time	lb	1.65	1.80
Yohimbin Hydrate, 1 oz. vial.	oz	3.15	4.00
Resale	oz		3.00
Yolk Oil, bbls.			.35
ZINC, METAL, high grade, slabs			
c/l NY	100 lb		7.75
Common Slabs, c/NY	100 lb	7.22 1/2	7.27 1/2
Mossy, 25 lb bbs. NY.			.14
Ammonium Chloride, powd., 400 lb			.07 1/2
bbls.			.10
Carb. tech., bbls, NY.			.20
USP, 100 lb kegs			.07 1/2
Chloride, fused, 600 lb dra. wks.			.06
Dra. c/l wks.			.08
Granulated, 500 lb bbls wks.			.08
Imported, dr., NY.			3.00
Solution, 50%, tanks wks.	100 lb	.37	.29
USP, 25 lb jars			.41
Cyanide, 100 lb drs.			.10 1/2
Dust, 100 lb tins, wks.			.09 1/2
500 lb bbls, kegs c/l wks.			5.28
Iodide, 5 lb bbls.			.45
Nitrate, 25 lb jars			.08 1/2
Oxide, Amer. 300 lb bbls, wks.			.10 1/2
Oxide, Amer. 300 lb bbls, wks.			.11 1/2
French, 300 lb bbls wks.			.09 1/2
Bbl c/l wks.			.10 1/2
Bags, c/l wks.			.30
USP 100 lb bbls, c/l.			.12
Ton lots, wks.			.15 1/2
Imported, white seal, bbls.			.21
Green seal, bbls.			.17 1/2
USP 100 lb bbls			.08 1/2
Stearate, USP, 50 lb bbls.			.03
Resale			.03 1/2
Sulfate, 400 lb bbls, wks.			.08
Bbls, c/l wks.			.30
USP, 100 lb kegs.			.30
sulfide, 500 lb bbls.			1.25
Sulfocarbonate, 100 lb kegs.			.45
wks.			.08
Zirconium, oxide, pure			.03 1/2
Semi-ref'd, bgs.			
Natural, bgs.			

Oils - Fats

Castor, No. 1, 400 lb bbls	lb	.17	.17 1/2
80 lb cases			.18
No. 3, bbls		.16 1/2	.17
Blown, 400 lb bbls			.18 1/2
China Wood, spot, NY.		.12 1/2	.13
Tanks, Spot, NY.		.12 1/2	.12 1/2
Coast, tanks.			.11
Coconut, Ceylon, 375 bbls, NY			.09 1/2
8000 gal. tanks, NY			.11 1/2
Cochin, 375 lb bbls, NY.		.10 1/2	.10 1/2
Tanks, NY.			.10
Manila, bbls, NY		.08 1/2	.08 1/2
Tanks, Pacific Coast		.12 1/2	.13
Edible, bbls, NY		.62	.65
Cod Newfoundland, 50 gal bbls.	gal	.55	.57
Tanks, NY.			
Cod Liver, see Cod Liver Oil under Chemicals			
Copra, bags		.05 1/2	.06
Corn, ref., 375 lb bbls, NY.			.13
Crude, tanks mills.		.09 1/2	.10
Bbls, NY		.11	.12
Cottonseed, crude, tins, mill.			nom.
P S Y, 100 bbls, NY.		.09 1/2	.10 1/2
White, 100 bbls, lots, NY.			.14
Winter yellow, 100 bbls, NY.		.04 1/2	.04 1/2
Degras, Amer. 50 gal. bbls, NY.		.05 1/2	.05 1/2
English, light, bbls, NY.		.04 1/2	.04 1/2
Brown, bbls, NY.		.04 1/2	.04 1/2
Light brown, bbls, NY.		.03 1/2	.04
Dark, bbls, NY		.07 1/2	.12
Neutral, bbls, NY			.50
Moellon, bbls, NY.	gal		.12 1/2
Greases, choice white, bbls, NY.			.08 1/2
Yellow			.08 1/2
Brown			.08 1/2
House			.08 1/2
Bone naphtha			.07

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Oils - Fats

Herring, Tanks, Coast	gal	.40	nom.
Horse, 375 lb bbls., NY	lb	.10	nom.
Lard, prime steam, bbls.	lb	.17 1/4	
Compound, bbls.	lb	.13 1/4	
LARD OIL, Edible, prime	lb	.19 1/4	
Off prime, bbls.	lb	.18 1/4	
Extra bbls.	lb	.14 1/4	
Extra, No. 1 bbls.	lb	.12 1/4	
No. 1 bbls.	lb	.12 1/4	
No. 2 bbls.	lb	.12 1/4	
LINSEED, raw, c/l bbls, spot	gal	1.06	
Five bbls, raw	gal	1.09	
Tank, raw	gal	1.00	
Boiled, 5 bbl. lots	gal	1.12	
Double Boiled, 5 bbl	gal	1.13	
May-Aug. c/l wks	gal	1.06	
Imported, bbls, NY	gal	1.03	
Tanks, NY	gal	nom.	
Menhaden, crude, bbls, wks	gal	nom.	
Crude, tanks, Balt.	gal	nom.	
Light pressed, bbls, NY	gal	.78	.81
Yellow, bleached, bbls, NY	gal	.81	.82
Extra bleached, bbls, NY	gal	.83	.85
Blown, bbls, NY	lb	.11	
Neatfoot, 20° c.t. bbls, NY	lb	.17 1/4	
Pure, bbls, NY	lb	.14 1/4	
Extra, bbls, NY	lb	.12 1/4	
No. 1 bbls, NY	lb	.12 1/4	
Oleo Oil, No. 1 bbls, NY	lb	.12 1/4	.13
No. 2 bbls, NY	lb	.11 1/4	.12
No. 3 bbls, NY	lb	.11	.11
OLIVE, denatured, bbls, NY	gal	1.15	1.20
Edible, bbls, NY	gal	2.00	2.30
Foots, bbls, NY	lb	.08 1/4	.09
Shipments	lb	.08 1/4	.08 1/4
Palm Lard, 1500 lb casks	lb	.09 1/4	.09 1/4
Niger, casks	lb	.08 1/4	.09
Soury old Calabar, casks	lb	nom.	
Palm Kernel, bbls, NY	lb	.10 1/4	

Peanut, refined, bbls, NY	lb	.15	.16
Crude, mills buyers' tks	lb	nom.	
Crude, bbls, NY	lb	.12	
Perilla, bbls, NY	lb	.14 1/4	.15
Poppyseed, bbls, NY	gal	2.25	2.50
Rapeseed, refined, bbls, NY	gal	.90	1.00
Blown, bbls, NY	gal	1.14	
Red Oil, distilled, bbls	lb	.11 1/4	.12 1/4
Saponified, bbls	lb	.11 1/4	.12 1/4
Tanks	lb	.10 1/4	
Salmon, 8000 gal. tks. Coast	gal	.50	nom.
Sesame, edible, yellow, bbls	lb	.13 1/4	.14
White	lb	.14 1/4	.15
Sed Oil, bbls, NY	gal	.40	
SOYA BEAN, crude, tks, Coast	lb	.10 1/4	
Crude, tks, NY	lb	.11 1/4	
Crude, bbls, NY	lb	.12 1/4	.13
Refined, bbls, NY	lb	.14 1/4	
Sperm, 38° c.t. blechd. bbls, NY	gal	.89	.91
45° cold test, blechd. bbls, NY	gal	.87	.89
STEARIC ACID, s.p. 200 lb bags	lb	.14 1/4	.15 1/4
Double pressed, bags	lb	.14 1/4	.15 1/4
Double pressed, bgs., saponified	lb	.14 1/4	.15 1/4
Triple pressed, bgs., distilled	lb	.16 1/4	.17 1/4
Triple pressed, bgs., saponified	lb	.16 1/4	.17 1/4
Stearine, oleo, bbls	lb	.11 1/4	
Tallow, edible, Hercules	lb	.09 1/4	.10
City, extra loose	lb	.08 1/4	
Tallow Oil, acidless tks, NY	lb	.11	
Bbls. c/l NY	lb	.12 1/4	
Walnut, crude bbls, NY	lb	nom.	
Whale, nat winter bbls, NY	gal	.79	
Bleed. winter bbls, NY	gal	.81	
Extra Rich, bbls, NY	gal	.83	
Crude, No. 1, tanks Coast	gal	nom.	
Crude, No. 2, tanks Coast	gal	nom.	
Crude, No. 3, tanks Coast	gal	nom.	

Crude Drugs

Acroites Gum, red	lb	.05	.05 1/4
ACONITE LEAVES, bales	lb	.10	.11
Root, USP, bags	lb	.35	.35
Agar Agar, 1, 200 lb bales	lb	1.40	1.50
No. 2, bales	lb	1.40	1.50
No. 3, bales	lb	1.20	1.25
Agaric, white, cases	lb	2.75	3.00
Granulated, boxes	lb	3.25	3.40
Almonds, bitter, boxes	lb	.60	.65
Sweet, boxes	lb	.57	.59
Meal, barrels, boxes	lb	.24	.25
Aletris Root, bags	lb	.40	.41
Alkanet Root, bag	lb	.08 1/4	.10
Aloe, Barbadoes, 120 lb bbls	lb	.70	.75
Cape, 400 lb cases	lb	.08 1/4	.09
Curacao, 100 lb cases	lb	.10	.11
Succotone, whole, 300 lb cs.	lb	.35	
Select, cakes, lb	lb	.26	.28
Althea Root, Cuts, cs.	lb	.65	.75
Whole	lb	.28	.30
Ambergris, black boxes	cs	3.00	10.00
Grey, boxes	cs	26.00	
Ammoniac, tears, bags	lb	.80	.85
Angelica Root, dom. bags	lb	.13	.14
Angelica Bark, bags	lb	.16	.20
Anise, Levant, bags	lb	.14 1/4	.15
Rumdan bags	lb	.13	.14
Star, cases	lb	.13 1/4	.14
Spanish, bags	lb	.14 1/4	.15
Anatto Seed, 200 lb bags	lb	.15	.18
ANABIC GUM,			
White, No. 1, 200 lb bags	lb	.24	.25
Seconds, 250 lb bags	lb	.22	.23
Sorts, amber, 300 lbs. bbls	lb	.13 1/4	.14
Food, USP, 500 lb bbls	lb	.71	.81
Area Nuts 150 lb bags	lb	.15	.19
Food, 200 lb bbls	lb	.20	.21
Argois, Red, grd. see Chemicals			
Arnica Flowers, bales	lb	.11	.14
Root, bags	lb	.28	.30

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Arrowroot, Amer, Powd, bbls.... lb	.10	.10%	Puckhorn Bark, bags..... lb	.07	.08	Cassia Batavia, No. 3 bales..... lb	.09	.09%
Bermuda, bbls..... lb	..	..	Burdock Root, bags..... lb	.11	.13	China, select, rolls, cases..... lb	.06%	.07
St. Vincent, powd bbls..... lb	.13	.14	Burgundy Pitch, dom., 110 lb stands	..	..	Broken, bales..... lb	.06%	.08%
Anafetida, USP, 250 lb cases..... lb	.28	.27	Gross for net..... lb	..	.05%	Buds, cases..... lb	.20	.21
Food., 50 lb tms..... lb	.40	.43	Imported..... lb	.10	.11	Cassia Fistula, baskets..... lb	.08	.09
BALM GILEAD BUDS, bags..... lb	.40	.43	Calabar Beans, bags..... lb	..	1.00	Castile Soap, USP, powd., 200 lb	..	..
Balmey Herbs, bales..... lb	..	.14	Calamus Root, bleached, cases..... lb	.38	.38	bbls..... lb	.30	.32
BALSAMS			Unbleached, bags..... lb	.06%	.07	Castor Beans, bags..... lb	.03	.03%
Copaiba, Para, 80 lb cs..... lb	.54	.55	Calendula Petals, imp., bales..... lb	.23	.30	Castoreum, 1 lb bot..... lb	..	.40
South American, 80 lb cs..... lb	.58	.60	Callisaya Bark, bales powd..... lb	.30	.31	Catechu Gum, bags..... lb	.11	.12
Vir Canada, cases..... gal	11.00	12.03	Campbor, see Chemicals	..	..	Catsup Herb, bales..... lb	.23	.23
Oregon, bbls, cases..... gal	1.00	1.20	Canary Seed, Morocco bags..... lb	.07%	.07%	Celery Seed, bales..... lb	.27%	.28%
Peru, 120 lb cases..... lb	1.85	1.90	Spanish bags..... lb	.08	.08%	Cerestin Wax, white, bags..... lb	.16%	.20
Yulu, 120 lb cases..... lb	1.45	1.55	South American, bags..... lb	.06%	.07%	Yellow, 200 lb bags..... lb	.09	.10
Bamboo Brier Root, bags..... lb	.05%	.06	Candelilla Wax, bags..... lb	.30	.32	CHAMOMILE FLOWERS, Roman		
Barberry Bark, tree bales..... lb	.13	.15	Canella Alba Bark, bales..... lb	.50	.52	cases bales..... lb	.17	.18
Root, bags..... lb	.35	.37	Cannabie, true imp. bags..... lb	..	..	Hung., cases bales..... lb	.07%	.08
Barberry Bark, bales..... lb	.10	.12	American (no assay) bales..... lb	.30	.40	Charcoal, Willow, powd bbls..... lb	.05%	.06%
Wax, bbls..... lb	.21	.22	USP..... lb	.45	.60	Wood, powd. bbls..... lb	.04	.05
Billadonna Leaves, bales..... lb	.25	.27	Cantharides, Chinese cases..... lb	..	1.00	Chestnut Bark, bags..... lb	.07	.08
Root, bags..... lb	.16	.18	Powdered bags..... lb	1.15	1.20	Herb, bales..... lb	.06	.06%
Ree Wax, white cases..... lb	.50%	.57%	Russian, cases..... lb	.55	.90	Chicle Gum, bags..... lb	..	1.00
Yellow, refined, cases..... lb	.42	.46	Powdered, boxes..... lb	.95	1.05	Chiretta, bales..... lb	.07	.10
Crude bags..... lb	.59	.61	Caraway Seed, African, bags..... lb	.07%	.08	Cinchona Bark, red quills bales..... lb	.75	.80
Bonoin Gum, Siam, boxes..... lb	1.30	1.80	Dutch, 11 lb bags..... lb	.08%	.08%	Broken, bales..... lb	.32	.35
Bumatra, 80 lb boxes..... lb	.24	.25	Cardamom, bleached, cases..... lb	2.70	3.10	Cinnamon, Ceylon, No. 1 bales..... lb	.40	.41
Barberis Aquifolium Root, bags..... lb	.13	.14	Decorated, cases..... lb	2.40	2.60	No. 2 bales..... lb	.87	.38
Beth Root, bags..... lb	.24	.26	Green, grinding, bags..... lb	1.00	1.70	No. 3, bales..... lb	.36	.37
Bitter Root, 100 lb bags..... lb	.40	.43	Garnauha Wax, Flor. bags..... lb	.38	.40	Civet, Abyssin horns..... cs	2.35	2.50
Blackhaw Bark, root, bales..... lb	.35	.34	Powd..... lb	.37	.39	Clover Tops, bags..... lb	.20	.22
Tree, bales..... lb	.15	.17	No. 1, yellow, bags..... lb	.35	.36	Cloves, Zanzibar, 135 lb bales..... lb	.24	.24%
Blood Root, bags..... lb	.13	.15	No. 2, N Country bags..... lb	.31	.34	Amboyas, bales..... lb	.42	.44
Elephant Root, bags..... lb	.27	.30	No. 3, N Country bags..... lb	.26%	.28	Penang, bales..... lb	.40	.42
Boldo Leaves, bales..... lb	.15	.20	No. 3, Chilly, bags..... lb	.26	.29	Cochineal, Black..... lb	..	.48
Bonnet Herb, bales..... lb	.09	.11	Cassara Amara, 150 lb bales..... lb	1.25	1.50	Joca Leaves, Huancoco bags..... lb	..	..
Leaves, bales..... lb	.09	.11	So-called bales..... lb	.55	.60	Turillio, bags..... lb	..	..
Borage Flowers, bales..... lb	.18	.20	Cassara Sagrada, bales..... lb	..	..	Cohosh Root, Black bags..... lb	.08	.15
Asyoda Root, bags..... lb	.09	.16	1920-22 bark..... lb	.26	.28	Blow, bags..... lb	.10	.11
Black Indian Root, 100 lb bags..... lb	.40	.42	1923 bark..... lb	.21	.24	Pulp, USP, bales..... lb	.23	.25
SUCHU LEAVES, short, 250 lb			1924 bark..... lb	.14	.15	Colchicum Root, bags..... lb	.08	.09
bales..... lb	.05	.70	1925 bark..... lb	..	.14%	Seed, bags..... lb	.16	.17
Less bales..... lb	.66	.70	Caucarilla Bark, quills, bales..... lb	..	..	Colocyth, apples, cases, bales..... lb	..	..
Long bales..... lb	..	..	Strings, bbls..... lb	..	..	Pulp..... lb	.22	.25
Buckbean Leaves, bales..... lb	.11	.12	Cassia Batavia, No. 1 bales..... lb	.10%	.11			
			Shortstick, bales..... lb	.09	.09%			

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Columbo Root, whole bags.....D	.08 1/2	.04	Elecampane Root, bags.....D	.09	.10	Guaiaac Gum, 80 lb cases.....D	.40	.42
Culicifoot Leaves, bags.....D	.05	.06	Elder Flowers, bags.....D	.10	.13	Guarana, tins, cases.....D	.85	.90
Comfrey Root, bags.....D	.13	.14	Elemi Gum, 80 lb cases.....D	.10	.11	GUM, see Arabic Gum, etc.		
Condurango Bark, bags.....D	.12 1/2	.13	Elm Bark, select 5 lb bundles cases D	.26	.27	NELLEBORE ROOT,		
Conium Herb, bags.....D	.12	.14	Grinding, bags.....D	.16	.17	Black, bbls.....D	.08	.10
Conium Seed, bags.....D	.10	.11	Powdered, bbls.....D	.23	.25	Powdered.....D	.15	.17
Copaiba Balsam Para, see Balsams			ERGOT, 150 200 lb bags.....D	.50	.54	White, Powd., 250 lb bbls.....D	.12	.13
Copal Gum.....D	.12	.13	Eucalyptus Leaves, bales.....D	.05 1/2	.06	Holonia Root, (unicorn false)		
Coriander Seed, Bombay, bags.....D	.05	.05 1/2	Euphorbia Pilulifera Herb, bags D	.09	.09 1/2	bags.....D	.67	.68
Morocco, bags.....D	.05	.05 1/2	Euphorbium Gum, cases.....D	.25	.27	Hemp Seed, Manchurian, bags.....D	.03 1/2	.03 1/2
Bleached, bags.....D	.08	.08 1/2	Powdered, boxes.....D	.40	.42	Chilean, bags.....D	.04	.04 1/2
Corn Silk bales.....D	.05 1/2	.06 1/2	Fennel Seed, French, bags.....D	.09	.10	Henbane Leaves, bales, USP.....D	.28	.30
Cotton Root Bark, bales.....D	.13	.13	German, bags.....D	.14	.16	No assay.....D	.24	.26
Cowhage, ea. tins.....D	.70	.70	Indian, bags.....D	.08 1/2	.09	Henna Leaves, bales.....D	.09 1/2	.11
Cramp Bark, so-called bales.....D	.06 1/2	.07	Fenugreek Seed, 200 lb bags.....D	.04 1/2	.04 1/2	Powdered.....D	.12	.14
True, bags.....D	.30	.32	Fish Berries, 100-125 lb bags.....D	.08 1/2	.09	Hooy, Calif., 120 lb cases.....D	.11	.12
Cranebill Root, bags.....D	.09	.10	Flax Seed, whole, 180 lb bbls.....D	15.00	15.05	Hops, NY prime bale.....D	.26	.30
CUBES BERRIES, XX bags.....D	.65	.66	Ground, 180 lb bbls.....D	.08	.08 1/2	Pacific Coast prime bales.....D	.25	.27
Powdered, boxes.....D	.68	.70	Fringe Tree Bark, bags.....D	.23	.24	Horehound Herb, bales.....D	.09	.10
Culvers Root, bags.....D	.19	.20	Fumigating Pastilles Black, 1 lb			Horse Nettle, Berries, bags.....D	.35	.35
Cumin Seed, Levant bags.....D	.14 1/2	.15	Red, 1 lb boxes.....D	.17	.18	Horsetail Rush, bags.....D	.15	.15
Malta, bags.....D	.13 1/2	.14	Galangal Root, bags.....D	.09	.10	Hydrangea Root, bales.....D	.09	.10
Morocco, bags.....D	.13 1/2	.14	Galbanum Gum, cans.....D	.80	.85	India Gum, see Karaya		
Cuttlefish Bone, Trieste, straps.....D	.13 1/2	.14	Gambier Gum, bags.....D	.16	.17	INSECT FLOWERS, open whole		
Jewelry large, straps.....D	.60	.60	Gamboge Gum, 160 lb cases.....D	.55	.57	Bales.....D	.37	.38
Small, straps.....D	.35	.35	Powdered, cases.....D	.95	1.00	Closed, whole bales.....D	.39	.40
French, straps.....D	.13 1/2	.14	Gelsemium Root, bags.....D	.12	.13	Powdered, pure, 200 lb bbls.....D	.40	.45
Powdered, boxes.....D	.14	.15	Gentian Root, bags.....D	.08 1/2	.09	Flowers and Stems, 50 p.c.		
Broken, boxes.....D	.07	.07	Ground, bbls, boxes.....D	.12	.13	200 lb bbls.....D	.25	.27
Damar Gum, 136 lb cases.....D	.27	.28	Powdered, boxes.....D	.12 1/2	.16	Ipecac Root, Cartagena, bags.....D	2.05	2.10
Dandelion Leaves, bales.....D	1.25	1.25	Ginger African, bags.....D	.15	.15 1/2	Powdered, 200 lb bbls, bxs.....D	2.30	2.40
Dandelion Root, Imp. bags.....D	.19	.21	Jamaica, grinding, bags bbls.....D	.17	.19	Rio Whole, bags.....D	1.90	1.95
Deer Tongue Leaves, bales.....D	.08 1/2	.09	Japan, bags.....D	.21	nom.	Powdered, 200 lb bbls, bxs.....D	2.30	2.40
Digitalis Leaves, bales.....D	.10	.11	Cochin, ABC & Lemon, bags.....D	.21 1/2	.22	Isinglass, American, 130 lb ca.....D	.75	.80
Dill Seed, bags.....D	.08	.08 1/2	Ginseng Root, cultivated, bags.....D	8.00	10.00	Russian (Beluga) bxs. ctms.....D	4.00	4.50
Cleaned, bags.....D	.08 1/2	.08 1/2	Northwestern Wild, bags.....D	12.00	14.00	JABORANDI LEAVES, bales.....D	.10	.10 1/2
Dogwood Bark, Jamaica, bags.....D	.09 1/2	.10	Southern Wild, bags.....D	8.50	10.00	Jalap Root, whole, 150 lb bags.....D	.29	.35
American, bales.....D	.67	.68	Golden Seal Root, bags.....D	5.10	5.15	Powdered, USP, 250 lb bbls.....D	.34	.36
Dogras Root, USP, cut bags.....D	.12	.13	Powdered boxes.....D	5.25	5.40	Japan Wax, White, bags.....D	.15 1/2	.16
Dragon Blood, mass cases.....D	.70	.75	Grains of Paradise, bags.....D	.13	.14	Job's Tears, White, bags.....D	.05	.08
Needs, boxes.....D	.85	.90	Grindelia Robusta Herb, bales.....D	.09	.09 1/2	Juniper Berries, 125 lb bags.....D	.05	.08
ECHINACEA ROOT, bags.....D	.29	.32				KANALA, USP, boxes.....D	1.86	1.95
						Karaya Gum, powdered, bbls.....D	.08 1/2	.13

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Kava Kava Root, bags.....D	.18	.19	Marjoram Leaves, French, bales..D	.36	.37	Opium, Powdered, USP, cases....D	13.00	14.00
Kola Gum, black cases.....D	.50	.55	Chilian, bales.....D	.28	.29	Orange Flowers, cases.....D	.30	1.35
Kola Nut, 150 lb bags.....D	.04 1/2	.05	Mastic Gum, 120 lb cases.....D	.55	.57	Orange Peel, bitter, bags.....D	.07 1/2	.08
Kumua Flowers, bags.....D	1.50	1.75	Matico Leaves, bales.....D	.14	.15	Sweet, bags.....D	.11	.11 1/2
LADY SLIPPER ROOT, bags.....D	.55	.60	Meserion Bark, bags.....D	.11	.12	ORRIS ROOT, Florentine bold bags..D	.09	.10
Lacturur Seed, bags.....D	4.00	6.25	Millet Seed, dom. yellow bags..D	.02 1/2	.03 1/2	Powdered, 200 lb bbls..D	.11 1/2	.13
Laurel Berries, bags.....D	.10	.11	Moutan Wax, crude bags.....D	.06	.06 1/2	Verona, bags.....D	.08	.10
Leaves, Greek, bags.....D	.04 1/2	.05 1/2	Bleached.....D	..	..	Powdered, 200 lb bbls..D	.11	.12
Italian bales.....D	.04 1/2	.05	Moss, Iceland, bales.....D	.08 1/2	.10	Fingers, cases.....D	.58	.60
American, bales.....D	.25	.35	Irish, bleached, bales.....D	.09	.11	Ozokerite Wax, brown hard bags..D	.24	.25
Lavender Flowers, ordinary.....D	.22	.24	Select, bales.....D	.12	.13	Green, hard bags.....D	.26	.29
Selected.....D	.30	.38	Mullein Flowers, tins.....D	.85	.90	Refined, yellow, bags.....D	..	..
Leeches tubs.....Per 100	3.20	3.75	Musk, pods, Carbadine, tins....os	16.00	17.00	PAPRIKA, bags.....D	.18	.24 1/2
Lemon Peel, bags.....D	.08 1/2	.09	Tonquin.....os	22.00	25.00	Hungarian.....D	.25	.25 1/2
Licorice Root, Russian, whole..D	.03	.04	Grain Cab.....os	25.00	26.00	Pareira Brava Root, bags.....D	.11	.12
Spanish, natural bales.....D	.07	.08	Synthetic, see Chemicals.....os	35.00	38.00	Paraley Seed, bags.....D	.15	.17
Powdered, bbls.....D	.12	.13	Musk Root, Russia, bags.....D	1.90	2.50	Patchouli, Leaves, bales.....D	.19	.20
Selected, 2 & 5 lb bundles..D	.06 1/2	.07	Mustard Seed Bari brown bags..D	.12	.12 1/2	Pellitory Root, bales.....D	.19	.20
Cuttings, 125 lb bags.....D	.03	.03 1/2	Bombay, brown.....D	.08 1/2	.09	Pennyroyal.....D	.07	.10
Life Everlasting Herbs, bales..D	.05	.06	California, brown.....D	.11	.11 1/2	Pepper, black, Sing. bags.....D	.14	.14 1/2
Time Juice, clarified bbls.....gal	.60	.65	Yellow.....D	..	.11 1/2	White, bags.....D	.21	.21 1/2
Linden Flowers with leaves, bales D	.11	.11 1/2	Chinese yellow.....D	.05 1/2	.06 1/2	Alleppey bags.....D	.14 1/2	.15
Without leaves, bales.....D	.19	.20	English, yellow.....D	.09	.09 1/2	Lampong, bags.....D	.13 1/2	.14
Lotella Herb, bales.....D	.45	.48	Dutch, yellow.....D	.08 1/2	.09	Tellecherry, bags.....D	.14 1/2	.15
Lotella Seed, bags.....D	.62	.65	Danish, yellow.....D	.08 1/2	.09	Mumtack, bags.....D	.22	.22 1/2
Lorag Root, Imported, bags....D	.20	.25	Myrrh Gum, select, 200 lb cs..D	.25	.28	Red Chillies, Japan No. 1, lbs..D	.21	.21 1/2
Lupulin, N.F. tins.....D	1.55	1.60	Sorts, cases.....D	.30	.24	Mombassa, bags.....D	.09 1/2	.10
Marsh, No. 1 cases.....D	1.00	1.05	NUTGALLS, Chinese, bags.....D	.17	.18	Talay, bags.....D	.10	.11
Isopodium, 88 lb cs.....D	.85	.90	Aleppu, bags.....D	.18	.20	Capsicum, Bombay, bags.....D	.11	.11 1/2
NAGE, Slaw, No. 1.....D	1.03	1.04	Nutmegs, 110s cases.....D	.55	.57	Peppermint Leaves, imp. bales..D	.18	.22
Bards, No. 1 cases.....D	1.05	1.10	75s, 80s, cases.....D	.59	.61	Cuts, bales.....D	.12	.14
Belaria, No. 2, cases.....D	.88	.90	Grinding, bags.....D	.48	.50	Domestic leaf.....D	.18	.19
West India, cases.....D	.85	.87	Nux Vomica Buttons, bags.....D	.05 1/2	.06	Peru Balsam, see Balsams.....D	..	..
Mala Flowers, blue bales.....D	.32	.34	Powdered, 200 lb bbls.....D	.09	.12	Pichi Leaves, bags.....D	.23	.25
Black, bales.....D	.55	.60	CAK BARK, red bags.....D	.05	.06	Pimento, select, bags.....D	.09 1/2	.09 1/2
Macona Root, bales.....D	.17	.22	White, bags.....D	.06	.07	Pink Root, true bags.....D	.72	.75
Manna, large flake, cases.....D	.68	.72	Olibanum Gum, sift 280 lb cases D	.12	.12 1/2	Pitch, Burgundy, see Burgundy Pitch	..	.12
Small flake, cases.....D	.38	.41	Teas, 280 lb cases.....D	..	..	Plantain Leaves, bales.....D	..	.19
Sorts, cases.....D	..	.30	No 1, all white 280 lb cases.....D	.22	.23	Pleurisy Root, bags.....D	..	.19
Mandrake Root bags.....D	.10	.12	No. 2, 280 lb cases.....D	.12	.14	Poke Berries, bags.....D	.08	.09
Marjoram Leaves, German, bales..D	.28	.29	Opium, gum, USP, cases.....D	12.00	13.00	Pomegranate Bark, of root bags..D	..	.30
Africa, bales.....D	Granular, cans.....D	18.00	14.00	Of Fruit, bags.....D	..	.30
						Of Tree.....D	..	.30
						Poivy Flowers, red bags.....D	.25	.27



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Crude Drugs

Poppy Seeds, Dutch, bags11	: .11%	Savory Leaves, bales07%	: .08	Spruce Gum, boxes	1.00	: 1.50
German, bags .....	.09%	: .10	Saw Palmetto Berries, bags .....	.40	: .45	Squaw Vine, bales .....	.16	: .17
Turkish, bags .....	...	: .08%	Scammony Resin, boxes	1.20	: 1.50	Squills, white .....	.05	: .08
Blue Indian, bags .....	...	: .08%	Scammony Root, bags .....	.07	: .08	Powdered, bulk .....	.13	: .14
White Indian, bags .....	.07%	: .08	Senega Root, bags .....	.55	: .56	Stavacore Seed, bags .....	.35	: .37
Prickly Ash Bark, Southern, bags .....	.20	: .22	SENNA, Alex 150 lb cases .....	.22	: .23	Sticklac, 250 lb bales .....	.35	: .40
Northern, bags .....	...	: .12	Small Leaf, 350 lb bales .....	.13	: .15	Stillinga Root, bags .....	.12	: .13
Prickly Ash Berries, bags .....	.12	: .14	roasted, 400 lb bales .....	.10	: .11	Stone Root, bags .....	.09	: .10
Prince's Pine, bales .....	.20	: .25	roasted, 200 lb bbls. ....	.14	: .14%	St. Ignatius Beans, bags .....	.13	: .14
Pulsatilla Herb, bags .....	.12	: .15	Timorelly, Bold, 350 lb bbls. ....	.14	: .15	St. John's Bread, bags .....	.08	: .09
Pumpkin Seed, bags .....	.18	: .20	Medium Leaf .....	.11	: .14	Stramonium Leaves, bales .....	.08	: .09
QUASSIA CHIPS, bags .....	.07	: .07%	Small Leaf .....	.08	: .11	Stramonium Seed, bags .....	.10	: .11
Queen of the Meadow Herb, bags .....	...	: .08	Powdered, 200 lb bbls. ....	.09%	: .16	Strophanthus Seed, Hesperidum .....	...	: .
Quince Seed, bags .....	.80	: .85	Pods, 350 lb bales .....	.20	: .21	Kombe bags	1.00	: 1.05
RAPE SEED, South Amer. bags .....	.06%	: .07	Serpentaria Root, bags .....	.85	: .90	Styrac, liquid artif. ....	.35	: .40
Dutch, bags .....	.08	: .08%	osellae, D. C., bags .....	.78	: .79	Gen. USP, .....	.45	: .60
Japanese, small, bags .....	.07%	: .08	v.s.o. bags .....	.78	: .79	Sunflower Seed, domestic bags .....	.08	: .08%
Raspberries, dried boxes .....	.60	: .62	various I, bags .....	.78	: .79	South American, bags .....	.05	: .05%
Red Saunders .....	.17	: .19	Superior, Orange, bags .....	.63	: .65	TAGALDEN BARK, bags .....	.05	: .06
Whitney Root, bags .....	.09	: .10	Vina, bags .....	.69	: .69	Tammarica, bbls. ....	.05%	: .07
RHUBARB, Root, H.D., cases .....	.32	: .34	T. N., bags .....	.57	: .60	Kep	3.75	: 3.80
Powdered, 200 lb bags .....	.38	: .40	Garnet, A. C., .....	.76	: .78	Tansy Herb, bales .....	.18	: .19
Roemary Leaves, bales .....	.05	: .05%	Golden bags .....	.56	: .58	Tar, Barbados, 50 gal. bbls.	1.40	: 1.50
Rosemary Flowers, cases bales .....	.20	: .24	Mischod, ground, Vine .....	.66	: .68	Thus Gum, 280 lb bbls. ....	...	: .08%
Rose Petals, pale .....	.27	: .30	sons Dry, bbls. ....	.15	: .16	Thyme, Spanish bales .....	.09	: .09%
Red .....	.90	: 1.00	underitis Herb, cut bags .....	.08	: .09	French, bales .....	...	: .08%
Roe Herb, bales .....	.18	: .20	sumaruba Bark, bales .....	.80	: .85	Tilia, see Linden	...	: .
SABADILLA SEED, bags .....	.14%	: .16	cut, 125-175 lb bags .....	.32	: .34	Tois Balsam, See Balsam	...	: .
Powder, bbls .....	.19	: .20	crushed, 200 lb bbls. ....	.13	: .16	Toona Bark, bags .....	.70	: .75
Saffron Flowers, Amer. bales .....	.40	: .45	rowdered, 200 lb bbls. ....	.13	: .14	Tonka Beans, Angustura, cases	2.00	: 2.15
Valencia, 1 lb cans	32.00	: 33.00	Spunk Cabbage Root, bales .....	.08	: .09	Para, cases .....	.85	: .90
Gaga, Dalmatian, bales .....	.04%	: .06%	vine Berries, bags .....	.34	: .35	Seriram, cases .....	...	: .
Greek, bales .....	.04%	: .04%	Snake Root, Canada, natural, bags .....	.54	: .55	Tragacanth Gum, No. 1 ribbon	...	: .
Spanish, bales .....	.08	: .08%	stripped, bags .....	.60	: .65	100 lb cs.	1.45	: 1.50
Sandalwood, chips, bags .....	.16	: .19	SOAP BARK, whole, 150-200 lb	.10	: .15	No. 2	1.15	: 1.30
Ground, bags .....	.21	: .22	cut, 125-175 lb bags .....	.09%	: .10%	Powdered, 50 lb boxes .....	.87	: .92
Sandarac Gum, 300 lb bbls. ....	.42	: .43	crushed, 200 lb bbls. ....	.13	: .14	Turkish, cases .....	.70	: .85
Sarsaparilla Root, Honduras, bales .....	.70	: .72	rowdered, 200 lb bbls. ....	.13	: .14	...	...	: .
Mexican .....	.25	: .26	Spearmint Leaves, American bales .....	.27	: .29	...	...	: .
Sassafras Bark, ordinary bales15	: .17	Spermaceti, blocks, cases38	: .45	: .
Select, bales32	: .35	Spikenard Root, bags10	: .20	: .

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Turneric Root, Madras bags....	.12%	.13%
Aleppy, bags.....	.09%	.11
Powdered.....	.13%	.14
China, bags.....	.09	.09%
Peppermint, Venice, true 80 lb cs..	.26	.27
Artificial, 80 lb cases.....	.11	.13
Spirits, see Naval Stores		
UNICORN ROOT, false, see Helonias		
True, see Aletris		
Ova Urti Leaves, bales.....	.05	.05%
VALERIAN ROOT, Belgian bags..	.45	.50
Vanilla Beans, Mex, whole cases..	8.50	9.00
Cuts, cases.....	9.00	9.50
Bourbon, cases.....	9.00	9.50
South American, cases.....	9.00	9.50
Tahiti, yellow label cases.....	7.75	8.00
Green Label, cases.....		
Vetiver Root, 100 lb bags.....	.25	.26
Violet Flowers, bags.....	.80	.95
WANGI BARK, of root bags.....	.85	.90
of Tree, bags.....	.32	.34
White Pine Bark, rossed, bags..	.07%	.08
White Poplar Bark, bags.....	.06	.07
Wild Cherry Bark, thin green		
Rosed, bales.....	.13	.14
Thick Rosed, bales.....	.07	.08
Thin Natural, bales.....	.09	.09%
Thick Natural, bales.....	.05	.06
Willow bark, bags.....	..	.06
White, bags.....	..	.15
With Hazel Bark, bgs.....	.07%	.08
Leaves, bales.....	.07%	.09
Yarn Root, American, bags.....	.08	.08%
Yerba, bags.....	2.95	3.05
Yerba Santa, imported bales..	..	.10
Yucca Gum, red.....	.04	.04%
Ground.....	.05%	.06%
Yellow Root (Zanthoxylum) bgs..	.16	.17
YELLOW DOCK ROOT, bags.....	.12	.14
Yellow Parilla Root, bags.....	.16	.17
Yerba Santa, bags.....	.10	.11
Zobary Root, bags.....	.11	.13

Essential Oils

Almond, Bitter, USP, 5 lb bot..	3.00	3.25
Bitter if PA 5 lb bots.....	3.15	3.35
Sweet, 50 lb cans.....	.80	.95
Apriocot, Kernel, 50 lb cans..	.60	.55
Amber, crude, 25 lb tins.....	.50	.60
Rectified, 25 lb tins.....	.75	.80
Angelica Root, 1 lb bot.....	20.00	35.00
ANISE, Tech., 60 lb case.....	.57	.60
USP, 60 lb cans.....	.62%	.65
Bay, 25 lb tins.....	2.25	2.35
Terpeness.....	6.00	6.50
Bergamot, 25 lb coppers.....	3.40	3.75
Terpeness.....	10.00	14.00
Artificial, 25 lb cans.....	2.00	2.20
Birch Tar, rect. 5 lb bot.....	.60	.70
Crude, 50 lb tins.....	.20	.25
Bois de Rose, 25 lb tins.....	4.00	4.25
Cade, 25 lb cans.....	.30	.35
Cajuput, native, 50 lb tins.....	.75	.80
Calamus, 5 lb bot.....	3.75	4.00
Campbor, Sassy 1000 lb drs.....	..	.14%
White, 1000 lb drs.....	.11%	.12
Cans, 50 lbs.....	.14	.14%
Cananga, native, 25 tins.....	2.30	2.40
Rectified, 25 lb tins.....	2.75	3.00
Caraway, USP.....	1.75	2.00
Cardamom, USP, 1 lb bot.....	40.00	45.00
Carrot, 5 lb bot.....	8.75	9.75
Cascarilla, USP, 1 lb bot.....	50.00	52.00
CASSIA, 80-85 p.c. 400 lb drs..	1.90	2.00
Medistilled, USP, 50 lb cans..	2.35	2.40
Cedar Leaf, 50 lb tins.....	.80	.90
Cedar Wood, light 1000 lb drs..	.57%	.60
Celery, 1 lb bot.....	8.75	9.00
Chaulmoogra, 80 lb cases.....	.85	.90
Cinnamon, Ceylon, 1 lb bot.....	10.50	11.00
Leaf, 5 lb bot.....	1.40	1.60

CITRONELLA, Ceylon

1000 lb drums.....	.66	.68
50 lb tins.....	.68	.69
Java, 400 lb drums.....	1.00	1.10
50 lb tins.....	1.10	1.20
Cloves, USP, 50 lb cans.....	1.70	1.75
6 lb bot.....	1.75	1.85
Copaiba,.....	.55	.60
Coriander, USP, 1 lb bot.....	9.50	10.00
Croton, USP, 25 lb tins.....	.95	1.00
Cubeba, USP, 5 lb bot.....	4.50	4.75
Cumin, 1 lb bot.....	11.00	15.00
Dill, 25 lb cans.....	4.00	4.25
Erigeron 20 lb tins.....	3.25	3.75
EUCALYPTUS, Austl. USP,		
50 lb cs.....	.57	.58
500 lb drums.....	.55	.56
Fennel, USP, 25 lb tins.....	.80	.90
Geranium, African, 25 lb cans..	5.25	6.50
Bourbon, 25 lb tins.....	4.50	5.50
Turkish, 28 lb tins.....	4.00	4.50
Ginger, 1 lb bot.....	10.00	11.00
Gingergrass, 25 lb tins.....	2.50	2.75
Hemlock, 25 lb tins.....	.80	.82
Juniper berries, USP, 25 lb tins..	2.25	2.50
Wood, 50 lb tins.....	.50	.55
Lavender, USP, 28 lb tins.....	5.25	6.00
Spice, Spanish, 50 lb cans.....	1.10	1.75
LEMONGRASS, Ital USP, 25 lb cans..	1.00	1.20
Terpeness.....	8.00	11.00
American, USP, 25 lb cans.....	1.00	1.05
Lemongrass, native, 50 lb cans..	1.00	1.05
Limes, Express, 25 lb tins.....	4.25	4.50
Distilled, 25 lb tins.....	1.75	1.85
Linaloe, Mex., 80 lb cases.....	4.00	4.25
Mace, distilled, 50 lb tins.....	1.40	1.50
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot.....	..	14.00
Artif., USP, 5 lb bot.....	2.25	2.35
Neroli, Bigarade, 1/4 & 1 lb bot..	40.00	60.00
Peppal, 1 lb bot.....	90.00	120.00
Artificial, 1 lb bot.....	10.00	25.00

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Essential Oils

Mustang, USP, 25 lb tins.....	D	1.40	: 1.50
Orange, bitter, 25 lb tins.....	D	2.60	: 2.70
Sweet, W. Ind., 25 lb tins.....	D	2.50	: 2.70
Italian, 25 lb cop.....	D	2.65	: 3.00
American, 25 lb tins.....	D	2.70	: 2.75
Distilled, 25 lb tins.....	D	1.65	: 1.75
Spanish, 25 lb tins.....	D	2.75	: 2.90
Origanum, 50 lb cans tech.....	D	.25	: .30
Caraway, 1 lb bot.....	D	3.50	: 4.00
Patchouli, 5 lb bot.....	D	4.50	: 5.50
Peppermint, dom., 25 lb tins.....	D	2.00	: 2.15
Imported, 25 lb tins.....	D	1.70	: 2.00
PEPPERMINT, nat., 60 lb cans.....	D	13.00	: 13.25
Redia, USP, 60 lb cans.....	D	13.75	: 14.50
Petit Grain, S. A. 25 lb tins.....	D	2.15	: 2.25
French, 1 lb bot.....	D	7.00	: 8.00
Italian, 25 lb tins.....	D	2.25	: 2.35
Pimento, 25 lb tins.....	D	3.50	: 3.55
Pinus Sylvestris, 25 lb tins.....	D	.85	: 1.10
Pumilio, USP, 25 lb tins.....	D	2.25	: 2.50
Rose, Fr., 8, 16 & 32 oz pags.....	os	.00	: 9.00
Bulg., 8, 16 & 32 oz pags.....	os	9.00	: 11.00
Artificial, 1 lb bot.....	D	2.00	: 3.00
Rosemary, USP, 27 1/2 lb tins.....	D	.48	: .55
1000 lb drums.....	D	.45	: .50
Tech., 27 1/2 lb tins.....	D	.38	: .49
Rue, 1 lb bot.....	D	.00	: 4.00
Sandalwood, E. Ind., USP, 75 lb cases.....	D	7.00	: 7.25
W. Indian (Amoria) 25 lb tins.....	D	2.40	: 2.60
Sassafras, USP, 50 lb cans.....	D	.90	: 1.00
Artificial, 1000 lb drs. 60 lb cans.....	D	.27	: .39
Savin, 5 lb tins.....	D	2.15	: 2.25
Spearmint, USP, 60 lb cans.....	D	3.90	: 4.00
Spruce, 50 lb tins.....	D	.80	: .83
Tar, Amer., 20 lb tins.....	D	3.10	: 3.45
Tar, 50 gal bbls.....	gal	.25	: .27
Redwood, USP 25 lb tins.....	D	.85	: 1.00
Thyme, red, USP, 25 lb tins.....	D	1.00	: 1.10
White, USP, 25 lb tins.....	D	.30	: .35
Tech., 110 lb drums.....	D	.30	: .35

Vetiver, Bourbon, 1 lb bot.....	D	12.00	: 14.00
Indian, 1 lb bot.....	D	30.00	: 40.00
Java, 1 lb bot.....	D	20.00	: 22.00
Wine, heavy, 1 lb bot.....	D	.00	: 1.50
WINTERGREEN			
Sweet beh., 25 lb tins.....	D	2.50	: 3.00
Southern, 25 lb tins.....	D	1.85	: 2.00
Gaultheria, true 25 lb tins.....	D	7.00	: 8.00
Southern, 25 lb tins.....	D	3.75	: 4.00
Synthetic, 50 lb cases.....	D	.45	: .47
Wormseed, Balt, USP, 25 lb tins.....	D	3.10	: 3.25
Wormwood, dom., 25 lb tins.....	D	4.00	: 4.50
Ylang Ylang, Bourbon, 10 lb tins			
No. 1.....	D	9.00	: 10.00
No. 2.....	D	6.00	: 7.00
Manila, 1 lb bot.....	D	35.00	: 40.00

OLEORESINS

Aspidium, USP, 1 lb bot.....	D	1.85	: 2.00
Capicum, USP, 1 lb bot.....	D	2.50	: 2.75
Cubeb, USP, 1 lb bot.....	D	4.06	: 4.50
Ginger, 5 lb bot.....	D	3.75	: 4.50
Malefern, See Aspidium			
Gris, 1 lb bot.....	D	19.00	: 19.00
Pepper, black, USP, 1 lb bot.....	D	3.50	: 4.00
Vanilla, 1 lb bot.....	D	21.00	: 23.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	D	1.10	: 1.25
Borneol, 1 lb bot.....	D	2.50	: 2.75
CITRAL, 250 cans.....	D	3.00	: 3.50
Citronellal, 1 lb bot.....	D	2.50	: 3.00
EUCALYPTOL, USP, 25 lb cans.....	D	.90	: .95
Eugenol, USP, 25 lb cans.....	D	3.10	: 3.25
Geraniol, Domestic, 50 lb cans.....	D	3.50	: 4.00
Imported, 5 lb bot.....	D	4.00	: 4.50
Isa-Eugenol, 1 lb bot.....	D	4.00	: 4.50
Imported.....	D	4.50	: 5.00

Linalool, 5 lb bot.....	D	6.00	: 6.25
From Bois de Rose, 5 lb bot.....	D	7.00	: 7.50
MENTHOL, 60 lb cans.....	D	10.75	: 11.00
less cases, 5 lb cans.....	D	11.00	: 11.25
Rhodinol, 1 lb bot.....	D	18.00	: 19.00
Extra, 1 lb bot.....	D	40.00	: 47.00
SAFROL, 60 lb cans.....	D	.29	: .33
Thymol, USP, 25 lb tins.....	D	3.75	: 4.00

SYNTHETIC AROMATICS

Acetophenone, CP, 1 lb bot.....	D	3.50	: 3.75
Aldehyde, C-8 (Octyl) 1 lb bot.....	D	45.00	: 60.00
C-9 (Nonyl), 1 lb bot.....	D	70.00	: 75.00
C-10 (Decyl), 1 lb bot.....	D	50.00	: 58.00
C-12 (Dodecyl), 1 lb bot.....	D	27.50	: 32.50
C-14, 1 lb bot.....	D	22.50	: 25.00
C-16, 1 lb bot.....	D	70.00	: 80.00
Aubepine, see Anisic Aldehyde			
Amyl Acetate, pure 5 gal cans.....	gal	4.75	: 5.50
Butyrate, 1 lb bot.....	D	1.90	: 2.00
Cinnamate, 1 lb bot.....	D	4.00	: 4.50
Formate, 1 lb bot.....	D	1.75	: 2.00
Phenyl Acetate, 1 lb bot.....	D	4.50	: 5.00
SALICYLATE, com. 100 lb chys.....	D	1.45	: 1.50
Imported.....	D	2.25	: 2.50
Valerate, 5 lb bot.....	D	2.75	: 3.00
Anisic Aldehyde, 1 lb bot.....	D	3.50	: 3.75
BENZALDEHYDE, USP, 40 lb chys.....	D	1.80	: 1.40
FFC, 40 lb chys.....	D	1.48	: 1.80
Imported, USP.....	D	1.00	: 1.10
Benzoin Sibir, See Ethyl Benzoin			
Benzophenone, 1 lb bot.....	D	4.50	: 5.00
Benzoyl Acetate, 100 lb chys.....	D	1.40	: 1.50
Alcohol, 5 lb bot.....	D	1.45	: 1.55
BENZONATE, 5 lb bot.....	D	1.00	: 1.75
Medicinal FFC.....	D	1.75	: 2.00
Butyrate, C.F., 1 lb bot.....	D	6.00	: 6.50
Cinnamate, 1 lb bot.....	D	10.00	: 10.50
Formate, 1 lb bot.....	D	3.25	: 3.50

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Aromatic Chemicals

Geranyl Propionate, 1 lb. bot.	5.00	: 5.25	Isobutyl, 1 lb. bot. imp.	4.00	: 4.50	Terpinyl Acetate, 25 lb. cans.	1.85	: 1.85
Geranyl Acetate, 1 lb. bot.	3.75	: 4.00	Domestic, 5 lb. bot.	4.00	: 4.25	Imported, 25 lb. cans.	1.90	: 2.20
Geranyl, 25 lb. cans.	3.50	: 4.00	Isobutyl Acetate, 1 lb. bot.	7.50	: 8.50	TERPENEOL, CP, 1000 lb. drs. ....	.35	: .37
Geranyl Anthracidate, 1 lb. bot. dom. ....	...	: 16.00	Benzoate, 1 lb. bot.	13.00	: 14.00	Cams, 50 lb. ....	.39	: .41
Geranyl Ether, See Ethyl Butyrate			Formate, 5 lb. bot.	10.50	: 12.00	Absolute, 25 lb. cans. ....	.50	: .70
Cinnamic Acid, 5 lb. cans.	3.25	: 3.50	Methyl Acetophenone	3.50	: 3.75	Imported, 25 lb. cans. ....	.40	: .42
Alcohol, liquid 1 lb. bot.	9.00	: 9.50	ANTHRANILATE dom., 1 lb. bot.	2.50	: 3.25	Vanillin, USP, 500 oz. cans. ....	...	: .46 1/2
Crystallizable	9.50	: 10.00	Imported	2.75	: 3.75	Cams, 16 oz., 80 oz. ....	.50	: .51
Aldehyde	3.50	: 3.75	Benzoate, 5 lb. bot. import.	2.00	: 2.25	Second Hands ....	.47	: .50
CITRONELLAL, 1 lb. bot.	7.50	: 9.00	Domestic, 5 lb. bot.	1.75	: 2.00	Valerianic Ether, See Ethyl Valerate		
Imported, 1 lb. bot.	8.00	: 10.00	Cinnamate, 1 lb. bot.	3.50	: 3.75	Yara Yara, 1 lb. cans.	1.50	: 1.50
Citronellyl Acetate, 1 lb. bot.	13.00	: 14.00	Heptenone, 1 lb. bot.	8.00	: 8.25	PERFUMERS' SUNDRIES		
COUMARIN, 25 lb. cans.	3.25	: 3.45	Para-cresol, 1 lb. bot.	8.00	: 9.00	Almond Meal, 25 lb. cans. ....	.34	: .36
DIETHYL PHTHALATE, 25 lb. cans. ....	.38	: .43	Phenylacetate, 5 lb. bot. dom.	3.75	: 4.00	Amber, liquid, 400 lb. drs.	2.20	: 2.30
1000 lb. drs. ....	.32	: .35	SALICYLATE, USP 500 lb. ....	...	: .45	Ambergris, black, bxs.	8.00	: 10.00
Diphenylacetic, 25 lb. tins. ....	.85	: .90	drums ....	...	: .45	Ambergris, gray, bxs. ....	...	: 26.00
Ethyl Acetate, pure, 5 lb. bot. ....	.45	: .50	50 lb. cans. ....	...	: .47	Balsam Copaiba, Para, 80 lb. cases ....	.54	: .55
Benzoate, 5 lb. bot.	1.75	: 1.90	Second Hands ....	.44	: .45	South American, 80 lb. cases ....	.58	: .60
Butyrate, 5 lb. bot.	1.90	: 2.10	Mirbane, rect., 1000 lb. drums. ....	.12	: .14	Peru, 120 lb. cases	1.90	: 2.00
Caproate, 1 lb. bot.	3.25	: 3.50	Munk Ambrette, 1 lb. cans.	10.00	: 10.50	Tolu, 90 lb. cases	1.40	: 1.50
Cinnamate, 1 lb. bot.	3.50	: 3.75	Ketone, 1 lb. cans.	11.50	: 12.00	Benzoin Gum, Stam. bxs.	1.30	: 1.38
Formate, 5 lb. bot. ....	.90	: 1.25	Kylene, 5 lb. cans.	3.25	: 3.50	Castoreum, 1 lb. bot.	4.50	: 5.00
Ethyl-methyl Para-cresol, 1 lb. bot.	3.25	: 3.50	Nerolin, 1 lb. cans.	1.50	: 1.60	Chalk, precip. light, 175 lb. bbls. ....	.04 1/2	: .05
Ethyl Phenylacetate, 5 lb. bot.	3.75	: 4.00	Oenanthalic Ether, 1 lb. bot.	1.75	: 2.00	Cherry Laurel Water, 5 gal. cans.	1.15	: 1.25
Propionate, 1 lb. bot.	1.75	: 2.00	Para-Cymene, Refd., 110 gal. drs.	2.25	: 2.50	Civet Abyssin, horns	2.25	: 2.50
Valerate, 5 lb. bot. ....	...	: 3.75	Phenylacetaldehyde, Dom. ....	...	: .45	Labdanum, 5 lb. bot. ....	...	: 8.00
Salicylate, 5 lb. bot.	2.00	: 2.10	1 lb. bot. 50 p.e.	8.00	: 8.50	Lanolin hydrous, 350 lb. bbls. ....	.15	: .21
Formic Ether, See Ethyl Formate			Imported, 50 p.e.	7.00	: 7.50	Anhydrous, 350 lb. bbls. ....	.18	: .23
Geranyl Acetate, 1 lb. bot.	4.75	: 5.00	80-85 p.e.	14.00	: 15.00	Musk pods, Cabardine, tins.	16.00	: 17.00
Butyrate, 1 lb. bot.	13.00	: 13.50	Phenylacetic Acid, 1 lb. bot.	8.00	: 8.25	Tonquin, tins.	22.00	: 25.00
Formate, 1 lb. bot.	12.00	: 12.50	Phenyl Diacetate, 1 lb. bot.	3.25	: 3.50	Grains. Cabardine, tins.	25.00	: 26.00
Heliotropin, dom., 100-10 lb.	1.85	: 2.00	1 lb. bot.	8.00	: 10.00	Tonquin, tins.	34.00	: 35.00
Imported	2.10	: 2.40	Imported	7.00	: 7.75	Synthetic, See Aromatic Chemicals		
Hydroxycitronellal, 1 lb. bot.	12.00	: 14.00	Phenylethyl Alcohol, 1 lb. bot.	6.00	: 7.00	Orris Rt, Flor., powd. bbls. ....	.12	: .13
Indol, CP, 1 oz. bot.	8.00	: 6.50	Phenylethyl Butyrate, 1 lb. bot.	26.00	: 28.00	Verona, powd. bbls. ....	.10	: .11
Isosone, 1 lb. bot. 100%	10.00	: 11.00	Formate, 1 lb. bot.	19.00	: 21.00	Petrolatum, snow white 350 lb. bbls. ....	.13 1/2	: .14
Alpha	14.50	: 16.00	Propionate, 1 lb. bot.	20.00	: 24.00	Light Amber, 250 lb. bbls. ....	.04 1/2	: .05 1/2
Beta	12.75	: 14.50	Valerate, 1 lb. bot.	25.00	: 29.00	Rice Starch, 140 lb. bgs. ....	.09	: .10
Methyl	16.00	: 18.00	Phenylpropylalcohol, 1 lb. bot.	15.00	: 16.00	Rose Water, 6.2-3 gal. chys.	1.00	: 1.25
Isobutyl Benzoate, 5 lb. bot.	4.75	: 5.00	Skatol, 1 oz. bot.	7.00	: 7.25	Sandalwood chips, powd., bags.30	: .35



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AGAR AGAR—15 brls., Frazar & Co., Kobe; 2 brls., Shima Trdg. Co., Kobe
ALBUMEN—23 cs., T. M. Duche & Sons, Liverpool
ALCOHOL—Isopropyl, 16 brls., East River Nat. Bank, Hamburg; Methyl 260 cks., Kuttroff Pickhardt Co., Rotterdam; Peramyl, 1 bx., Order, Hamburg
ALOES—73 cs., Suzarte & Whitney, Maracaibo
ALPHANAPHYLAMIN—1 ck., B. P. Ducas & Co., Rotterdam
AMMONIUM—Nitrate, 2 cs., Kuttroff Pickhardt Co., Rotterdam; Sulfate, 2 cks., Kuttroff Pickhardt Co., Rotterdam
ANTIMONY—Regulus, 1,100 cs., Wah Chang Trdg. Co., Shanghai; Star, 67 cks., S. Fullwood, Hull
ARSENIC—100 drs., Guaranty Trust Co., Hamburg; 300 cs., E. M. Poons Co., Kobe; 20 cs., N. Y. Trust Co., Kobe; 200 cs., Meteor Products Co., Yokohama; Metallic, 50 drs., Central Union Trust Co., Hamburg
BALSAM—6 cs., Schenkers Inc., Hamburg; 5 cs., Dodge & Olcott Co., London; Capiba, 50 cs., Order, Manao; 78 cs., Bank of N. Y. & Trust Co., Para; 100 cs., Order, Para
BARBS—58 bgs., Order, Hamburg
BERCH TAR—6 brls., White Sea & Baltic Co., Hamburg; 6 brls., Brown Bros. & Co., Hamburg

CALCIUM—Carbonate, 5 brls., Pfaltz & Bauer, Hamburg; Metallic, 9 cs., C. Hardy I. c., Havre; Nitrate, 27 cks., Kuttroff Pickhardt Co., Rotterdam
CAMPHOR—180 cs., Equit Trust Co., Hamburg; 500 cs., Mech & Metals Nat. Bank, Kobe
CARBON DECOLORIZING—93 drs., Amer. Lugi Corp., Rotterdam; 40 drs., A. Klipstein & Co., Hamburg; 20 drs., Citro Chem Co., Rotterdam
CHALK—1,000 bgs., Nat. City Bank, Antwerp; 1,500 bgs., Cooper & Cooper, Antwerp; 20 bgs., Gallagher & Ascher, Hamburg; 300 bgs., Order, Liverpool; 800 tons Baring Bros. & Co., Liverpool; 800,000 kilos J. W. Higman & Co., London; 500,000 kilos, Taintor Trdg. Co., London; Precipitated, 17 cs., Order, Liverpool
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DEXTRINE—25 bgs., Spier Simmons & Co., Rotterdam
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HERBS—8 bls., Order, Hamburg
HIRATHIOL—9 cs., Takamine Corp., Yokohama
IRON CHLORIDE—61 brls., Innis Speiden & Co., Hamburg
IRON OXIDE—60 cs., J. A. McNulty, Liverpool; 63 cks., Wadde & Co., Liverpool; 27 cks., Reichard Coulston, Liverpool; 35 cks., Order, Liverpool
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LEUNASALPETRE—2 cs., Kuttroff Pickhardt Co., Rotterdam
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MAGNESIA—5 cs., Lehn & Fink, Hamburg; 1 cse., Order, London
MAGNESIUM—10 cs., 5 cks., Collins Co., Hull; Carbonate, 50 cks., Lo Curto & Funk, Hull; Chloride, 177 drs., Innis Speiden & Co., Hamburg; 332 drs., Order, Hamburg
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OILS ESSENTIAL—6 cs., Wangler Budd Co., Rotterdam; 2 bxs., J. V. Lago, Barcelona; 1 cse., Order, Liverpool; 1 cse., Fritzsche Bros., Hamburg; 7 cs., Ungerer & Co., London; 25 cs., Order, Piraeus; 4 cs., Houbigant Inc., Southampton; 1 ck., Order, Hamburg; 11 cs., Orbis Products Trdg. Co., Marseilles; 2 cs., 5 cks., P. R. Dreyer, Marseilles; 3 cks., Fritzsche Bros., Marseilles; 239 cs., Order, Palermo; Almond, 7 cs., Ungerer & Co., London; Anise, 20 drs., Nippon Yusen Kaisha, Hongkong; Camphor, 10 drs., Importers Comm. Co., Shanghai; 50 drs., Orbis Prod Trdg Co., Kobe; 400 cs., N. Y. Trust Co., Kobe; Citronella, 3 drs., Nat. Bank of Commerce, Batavia; 2 drs., Equit. Trust Co., Sourabaya; 5 drs., C. T. Wilson & Co., Colombo; Geranium—1 ck., Ungerer & Co., Marseilles; 38 cks., Davies Turner & Co., Marseilles; 2 cks., C. G. Euler, Marseilles; Lemon, 400 cs., G. Luaders & Co., Messina; Lime, 1 drum, Goldman Sachs & Co., London; Linaleol, 4 drs., Order, Vera Cruz; Mint, 1 ck., Lehn & Fink, Marseilles; Orange, 21 cs., Colonial Bank, Jamaican Ports; 40 cs., Order, Palermo; Pine, 10 cks., General Naval Stores, Rotterdam
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PLUMBAGO—100 brls., N. Y. Trust Co., Colombo
POTASSIUM SALTS—33 cks., A. Klipstein & Co., Hamburg; Bicarbonate, 22 cks., Mal-

linckrodt Chem Works, Rotterdam; Bicar-bonum, Mallinckrodt Chem. Works, Rotterdam; Carbonate, 76 cks., Parsons & Petit, Hamburg; Caustic, 67 drs., Superfos Co., Hamburg; Chlorate, 2,400 cks., Uniform Chem. Products Co., Hamburg; 800 cs., Uniform Chem. Products Co., Kotka; Nitrate, 450 bgs., Order, Rotterdam; 1,016 bgs., Kuttroff Pickhardt Co., Rotterdam; Perchlorate, 200 brls., C. Hardy Inc., Havre; Persulfate, 10 brls., Roessler & Hasselbach, Hamburg; Prussiate, 18 kegs, C. Tennant Sons & Co., Liverpool
PUMICE—9,600 bgs., J. H. Rhodes & Co., Canneto Lipari; 4,082 bgs., R. J. Waddell & Co., Canneto Lipari; 1,591 bgs., Order, Canneto Lipari
PYRIDINE—9 drs., Order, Hamburg
ROCHELLE SALTS—33 brls., Plymouth Chem Corp., Rotterdam; 22 brls., W. Neuburg Co., Rotterdam
ROOTS—5 bls., McLaughlin Gormley & King, Hamburg; 120 bls., E. Bradshaw, Marseilles; Broom, 50 bls., Order, Vera Cruz; Cagria, 14 bgs., Order, Vera Cruz; Sarsaparilla, 27 bls., Atlantic Transport Line, Cristobal
SAL AMMONIAC—33 brls., P. Bauer & Co., Rotterdam
SALT—20 tons, W. A. Hazard Co., Liverpool
SEAGRASS—100 bls., Nippon Yusen Kaisha, Canton
SEEDS—24 bgs., A. Champion, Marseilles; Anise, 50 cs., Nippon Yusen Kaisha, Hongkong; Annatto, 17 bgs., Wills & Richardson, Agudilla; Caraway, 100 bgs., Hardick Dean & Co., Rotterdam; 200 bls., Archibald Lewa Co., Rotterdam; Cardamom, 11 cs., R. S. Tata & Co., Southampton; 20 pgs., Brown & Co., Colombo; 8 cs., Order, Bombay; Canary, 306 bgs., Order, Casablanca; Carrot, 27 bgs., S. L. Brinley, Port Au Prince; 15,026 bgs., Volkart Bros., Coconada; 8,148 bgs., Order, Coconada; 8,400 bgs., Strauss & Co., Bombay; 700 bgs., Strauss & Co., Bombay; 5,516 bgs., Order, Bombay; Cumia, 41 bgs., A. H. Pickering, London; Fenugreek, 55 bgs., W. Benkert & Co., Casablanca; Mustard, 9 bgs., Lo Curto & Funk, Southampton; 887 bgs., Order, Hull; 300 bgs., R. F. Downing & Co., Copenhagen; Rape, 612 bgs., Brown Bros. & Co., Tientsin
SHELLS—100 bgs., J. W. Green & Co., Calcutta; 125 bgs., Intern. Acceptance Bk., Calcutta; 100 bgs., N. Y. Trust Co., Calcutta; 2,010 bgs., Order, Calcutta; 38 cs., C. P. Gerlach, Rotterdam; Button, 37 chests, Order, Calcutta; Garnet, 500 chests, Order, Calcutta; Sticklac, 154 cs., Order, Marseilles
SOAP—5 cks., G. A. Kubie, Rotterdam; 23 bxs., Equit Trust Co., Barcelona; 8 cs., J. Victori & Co., Barcelona; 22 cs., Yardley & Co., London; 20 cks., Hensel Bruckmann & Lorbacher, Hamburg; 60 cs., F. Martin, Seville; 250 cs., J. Smith & Co., Marseilles; 114 cs., Order, Marseilles
SODA SALTS—Acetate, 72 cks., Roessler & Hasselbach, Rotterdam; Bisulfate, 54 drs., W. C. Elsie, Hamburg; Citrate, 266 drs., Order, Liverpool; Hydrosulfate, 120 bgs., H. A. Metz & Co., Rotterdam; 120 cks., Kuttroff Pickhardt & Co., Rotterdam; Hypo-sulfite, 200 cks., Order, Marseilles; Nitrate, 2 cks., Kuttroff Pickhardt & Co., Rotterdam; 7,006 bgs., W. R. Grace & Co., Antofagasta; Phosphate, 56 cks., F. Rudloff, Rotterdam; Sulfite, 100 drs., Hans Hinrichs, Rotterdam
SPICES—Cassia, 500 bls., 250 cs., Nippon Yusen Kaisha, Canton; Chillies, 60 bds., Order, Coconada; Mace, 10 cs., Bank of America, Padang; 11 brls., 8 cs., C. E. Armstrong, Grenada; 7 brls., 1 cse., Middleton & Co., Grenada; 12 bgs., Archibald & Lewis, Grenada; Mustard, 50 cs., J. Munroe & Co., Bordeaux; Nutmegs, 14 bls., Order, Rotterdam; 50 cs., Catz Amer. Co., Macassar; 100 cs., Fidelity Intra Trust Co., Macassar; 100 cs., Bankers Trust Co., Macassar; 100 cs., Irving Bank, Macassar; 50 bgs., Equit Trust Co., Padang; 50 bgs., Knickerbocker Mills Co., Grenada; 35 bgs., Middleton & Co., Grenada; 35 bgs., E. L. Prior Co., Grenada; Pepper, 500 bgs., Mech. & Metals Nat. Bk., Batavia; 505 bgs., Nat Park Bank, Batavia; Black, 2,000 bgs., Order, Telok Betong; 265 bgs., Canadian Bank of Commerce, Singapore; White, 70 bgs., Canadian Bank of Commerce; Pimento, 250 bgs., Order, Kingston
SPONGES—135 bls., Cunard S. S. Co., Havana; 75 bls., J. Bloch Inc., Havana; 11 bls., Intern. Marine Products Co., Havana
SUMAC—560 bgs., J. Young & Co., Italy
STRONTIUM CARBONATE—8 cks., Seaboard Nat. Bank, Hamburg

STRONTIUM NITRATE—100 cks., Innis Speiden & Co., Rotterdam
TALC—1,200 bgs., Whittaker Clark & Daniels, Bordeaux; 500 bgs., Hammill & Gillespie, Bordeaux; 300 bgs., 10 cs., L. A. Salomon & Bro. Bordeaux
TAPIOCA—Flour, 68 bgs., Catz Amer. Co., Batavia; 757 bgs., Chatham & Phoenix Nat. Bank, Batavia; 4,423 bgs., Nat. City Bank, Sourabaya; 501 bgs., Order, Sourabaya
TARTAR—400 sks., C. Pfizer & Co., Marseilles; 489 sks., Royal Baking Powder Co., Marseilles
TEA WASTE—253 bgs., G. W. Sheldon & Co., Antwerp
TURMERIC—33 bgs., Nat. Bank Minn., Bombay
ULTRAMARINE—54 cks., Van Oppen & Co., Hull

UREA—2 cs., Kuttroff Pickhardt Co., Rotterdam
VALONEA—4,779 bgs., A. Benadava, Astakos
VANILLA BEANS—2 cs., Amer. Trdg Co., Vera Cruz; 7 cs., Dodge & Glcott, Vera Cruz; 40 cs., Thurston & Braidich, Vera Cruz; 32 cs., J. N. Limbert, Vera Cruz; 10 cs., L. C. Dever, Bordeaux; 13 cs., R. Freeport, Marseilles
VIOLONCEL—1 cse., H. J. Baker, Detroit, Rotterdam
WAX—Bees, 8 bgs., Order, Leghorn; 3 bgs., J. J. Julia & Co., Azua; 7 bgs., J. J. Julia & Co., Santo Domingo; 4 seroons, W. Schall & Co., Pto. Plata; 3 bgs., E. A. Canalizo & Co., Pto. Plata; 2 seroons, J. J. Julia & Co., Monti Cristi; 15 bgs., T. A. Aranda, Coquimbo; 42 bgs., W. R. Grace & Co., Talcahuano; 30 bgs., Bank Aleman Trans Talcahuano; 86 sks., W. R. Grace & Co., Valparaiso; 32 bgs., Order, Havana; Carumba, 111 bgs., Nat. Bank of Commerce, Ceara; Montan, 150 bgs., Strohmeyer & Arpe Co., Hamburg; Spermaceti, 50 cs., Smith & Nicholls Inc., Glasgow
WHITING—200 bgs., Order, Hull
WOODFLOUR—500 bgs., A. Kramer & Co., Rotterdam; 2,775 bgs., B. L. Soberski, Oslo; 1,250 bgs., Brown Bros. & Co., Hamburg; 1,076 bgs., Bakelite Corp., Rotterdam
ZINC—Carbonate, 13 cs., Pfaltz & Bauer, Hamburg; Chloride, 43 brls., A. Klipstein & Co., Antwerp; Resinate, 20 cks., Order, London

IMPORTS AT BALTIMORE

May 15 to 21

BARYTES—2,000 tons, Ore and Chemical Corp., New York, West Haven, Rotterdam; 290 bgs., Roessler & Hasslacher Chemical Co., New York, Lorain, Hamburg
BORAX—Crude, 175 bbls., 50,750 lbs., Independent Chemical Co., Margaret Dollar, San Francisco

CHALK—500 bags, 111,000 lbs., Globe Whiting Co., West Haven, Antwerp; 800 tons, Baring Bros. & Co., New York, Steel Trader, London; Precipitated, 50 bags, F. H. Shalvus Co., Belgian, Liverpool
CLAY—390 tons, Moore & Munger, New York, Hoxie, Manchester
MANGANESE ORE—5,579 tons, Cottman Co., Wynburn, Poti; 7,185 tons, Wilbur F. Spice & Co., Maria Maersk, Poti
PYRIDINE—6 drums, to order, West Haven, Rotterdam
SODA—Nitrate, 45,000 bags, 3,000 tons, West Duval & Co., Kambole, Taltal; 48,057 bags, 3,500 tons, H. J. Baker & Bro., Kambole, Taltal
WOOL GREASE—120 bbls., 24 tons, to order, Hoxie, Manchester

IMPORTS AT BOSTON

May 16 to 24

ACID—Formic, 80 balloons, A. Klipstein & Co., Antwerp; 80 balloons Roessler & Hasslacher Chemical Co., Antwerp; 160 carboys, Eugene Suter & Co., Antwerp
BARIUM CHLORIDE—61 cks., A. Klipstein & Co., Antwerp
CASEIN—1,250 bags, Bank of America, Buenos Aires; 418 bags, Bank of Manhattan, Buenos Aires
CHALK—800 bgs., Brown Bros. & Co., Antwerp
CHEMICALS—40 casks, Order, Antwerp
COLORS—12 cases, Order Hamburg
EXTRACTS—Quebracho, 638 bags, Bank of Montreal, Buenos Aires; 1,987 bags, Order, Buenos Aires; 1,000 bags, International Products Co., Buenos Aires
GLAUBER SALTS—250 bags, Order, Hamburg; 500 bags, Seaboard Nat. Bank, Hamburg
OIL—Cod Liver, 23 bbls., Carlton & Hovey, Calcutta
POTASH—Caustic, 14 drums, Superfos Co., Hamburg; Muriate, 500 bgs., Soc Comm des Potasses d'Alsace, Antwerp
STICKLAC—410 bags, Order, Calcutta
SODIUM SULFATE—750 bags, Order, Antwerp
SULFITE PULP—5,425 bales, J. Anderson & Co., Scand. Ports; 125 bales, Buck Klier, Scand. Ports; 500 bales, Hartig Pulp Co., Scand. Ports
TRAGASOL—106 bbls., J. P. Marston & Co., Liverpool; 103 pkgs., J. P. Marston & Co., Liverpool
ZINC WHITE—25 casks, Mechanics & Metals Nat. Bank, Hamburg

IMPORTS AT PHILADELPHIA

May 13 to 20

AMMONIUM CHLORIDE—150 cks., Roessler & Hasslacher Co., Rotterdam

CALCIUM CHLORIDE—25 cs., Order, Liverpool
CHEMICALS—6 cs., Powers-Weightman-Rosengarten Co., Havre; 500 bgs., Harshaw, Fuller & Goodwin Co., Rotterdam
CHALK—1,000 tons, Brown Bros. & Co., London
CLAY—60 cks., Harshaw, Fuller & Goodwin Co., Rotterdam
COLORS—50 cks., L. B. Fortner Co., Rotterdam; Earth, 40 bgs., F. B. Vandegrift & Co., Rotterdam
COPRA—3,497 sks., Order, Davao; 245 cs., Order, Zamboanga
FLUOR SPAR—126,780 kilos, Order, Bordeaux
FULLERS EARTH—250 bgs., L. A. Salomon & Bro., London
GLYCERIN—Crude, 127 drms., Order, Dunkirk; 10 cks., Order, Havre; 20 pkgs., Order, St. Nazaire; Dynamite—100 drms., Order, Rotterdam
GLUE—60 bgs., Order, Bordeaux
GUMS—Copal, 57 bgs., John H. Faunce Inc., Liverpool; Damar, 384 bgs., Order, Singapore; 32 cs., Brown Bros. & Co., Singapore; 405 bgs., Order, Singapore
LOGWOOD—735 tons, W. & A. Leaman, Black River; Root, 535½ tons, W. & A. Leaman, Black River
MAGNESITE—1,192 pkgs., Brown Bros. & Co., Rotterdam
MENTHOL—20 cs., Vick Chem Co., Kobe; 40 cs., Banker Tr. Co., Kobe
OIL—Olive, 350 cs., Order, Genoa; 20 cs., Anverso Domenico, Naples; Olive Foots, 400 bbls., Phila., Nat. Bk., Naples; 50 bbls., Corn Exch. Nat. Bk., Naples; 100 bbls., Order, Naples; Palm, 40 cks., Order, Liverpool; Soya Bean, 200 drms., Order, Hamburg
ROOTS LICORICE—16,515 bls., Order, Smyrna; 244 bgs., Order, Smyrna
SALT—280 sks., Order, Liverpool; 107,800 kilos Charles Kurz & Co., Inc., Rotterdam
SEEDS—12 bgs., O. G. Hempstead & Son, Liverpool
SODA—Cyanide, 100 drms., Order, Liverpool Nitrate, 90,315 bgs., E. I. DuPont de Nemours & Co., Tocopilla; 19,924 bgs., E. L. Du Pont de Nemours & Co., Mejillones; Silicate, 33 cks., American Doucil Co., Liverpool
SPICES—Mace, 9 cs., Equit Trust Co., Rotterdam; Pepper White, 210 bgs., Phila. Nat. Bk., Singapore
STARCH POTATO—100 bgs., Order, Rotterdam
SUMAC—100 bls., J. S. Young Co., Palermo
TAPIOCA FLOUR—3,792 bgs., International Acceptance Corp., Batavia; 1,489 bgs., Order, Batavia

Samuel Insull, president of Commonwealth Edison Co., Chicago, was elected president of the National Museum of Engineering & Industry to succeed Dr. Elihu Thompson, head of Thompson Research Laboratory of General Electric Co. at the recent annual meeting. The following honorary vice-presidents were re-elected; Dr. E. G. Acheson, Dr. Leo H. Baekland, Dr. Charles F. Brush, Dr. Thomas A. Edison, Dr. Frank J. Sprague, Dr. Edward Weston, Dr. Orville Wright.

During the eleven-month period from April, 1924, to February, 1925, six new chemical and allied companies were formed in India and three companies were dissolved against seven new companies formed and five companies dissolved during the corresponding period of 1923, according to statistics published by the "Indian Trade Journal."

German metal concerns are reported to have entered the chemical business owing to the weak condition of the metal markets in that country.

Whitelaw Chemical Co. St. Louis, have been awarded a government contract for 280 lbs. washing soda at 2.87c lb.

RISE OF YEN IS FACTOR IN PRICES

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Tokyo, Japan May 2.—The rise of the yen continues to be an important factor in the chemical markets, particularly heavy chemicals. Today's quotation is \$42. for 100 yen compared with \$38¾ at the beginning of February. A weak tone rules in the market. Stocks have fallen owing to limited importation as the result of the very small margin between spot and forward prices, but c. i. f. quotations have eased off on account of the recovery in the yen, which holds down prices in the face of a shortage. Sulfate of soda is especially weak owing to a smaller consumption on demand from the weaving centres.

March exports of caustic soda totaled 8,604,308 pounds, valued at \$264,209; soda bicarbonate, 1,637,506 pounds, valued at \$31,144, soda ash exports 4,911,178 pounds, valued at \$98,570, and sal soda 1,079,915 pounds valued at \$13,791.

French and German potash producers have opened a distributing bureau in Holland to carry out the agreement for the allocation of sales in the world markets.

Local Spot Stocks



A selected list of established jobbers, merchants, and sales agents who carry stocks of standardized, branded products in local warehouse and who are prepared to render prompt distribution service.



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 3 Park Place, New York.

Bids and Proposals

DRUGS AND CHEMICALS—The Chemical warfare service, Edgewood Arsenal, Md., will open bids May 27, cir. E. A. P. 58, for drugs and chemicals.

PHOSPHATE AND SODA—The purchasing agent, Post Office Department, Washington, will open bids June 1 for 35,000 lbs. trisodium phosphate and 11,000 lbs. caustic soda.

MISCELLANEOUS—Bids are wanted on date indicated by the bureau of supply, Treasury Department, Washington, for miscellaneous supplies for federal buildings under control of the Treasury Department.—Opening of May 28th, Cir. 4974, 65,000 lbs. hydrochloric acid.

PANAMA CIRCULAR 1668—Bids are wanted May 28th under cir. 1668 by the general purchasing officer, the Panama Canal, Washington, for 3,000 lbs. chipped soap, 550,000 lbs. sulphate of alumina, 30,000 lbs. soda ash.

MISCELLANEOUS—Bids are wanted on dates indicated by the purchase and issue subdivision, U. S. veterans' bureau, Arlington Bldg., Washington, for miscellaneous supplies. Cir. 207, opening of May 28, sodium hyposulphite and sodium sulphite as required during a six month's period ending Dec. 31, 1925.

DRY COLORS, etc.—The purchasing clerk, bureau of engraving and printing, Washington, will open bids June 4 for annual supplies, including 600,000 lbs. mixed black, 1,500 lbs. carbon black, 400 lbs. do, 40,000 lbs. precipitated magnetic oxide of iron, 1,200,000 lbs. barytes, 200,000 lbs. paris white, 10,000 lbs. zinc white, 2,000 lbs. hydrate of alumina, 20,000 lbs. chrome green, 60,000 lbs. Prussian blue, 6,000 lbs. bronze blue, 4,000 lbs. Chinese blue, 4,000 lbs. ultramarine blue, 75,000 lbs. red lake, 570,000 lbs. chrome yellow, 10,000 lbs. orange mineral, 6,000 lbs. borate of manganese.

Business Opportunities

A CANADIAN FIRM wishes to get into touch with an independent manufacturer of Corn Dextrine with the object of representing same as selling agents. Address Box 231, DRUG & CHEMICAL MARKETS.

FOREIGN REPRESENTATIVE—Ph. D. with broad teaching and research experience, American who knows France well, speaks the language and has good connections in that country, desires to represent some firm. No. 7692, Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York.

Business Opportunities

TOILET GOODS—Practical perfumer, with sixteen years experience in manufacturing, desires to enter into partnership with a man capable of handling the office and sales end. Capital not absolutely essential but desirable. Only a high class proposition considered and highest references both business and professional to be accepted. Box 218, DRUG & CHEMICAL MARKETS.

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CHEMICAL SALES—Reliable, hard working, experienced, trained man with fourteen years experience, seeks position with established firm. Knows consumers and sources of supply and has desirable personal connections. Box 225, DRUG & CHEMICAL MARKETS.

CLERK—Man with a number of years experience in selling and clerical capacity, desires new connection with chemical or drug firm of good standing. Best of references. Communicate with Box 227, DRUG & CHEMICAL MARKETS.

Situations Wanted

PURCHASING ENGINEER or plant management. Chemist with twenty years experience in these lines. If interested communicate with No. 9000, Bureau of Employment, of the Chemists Club (Agency), 52 E. 41st St., New York City.

MAN WITH GRADUATE TRAINING IN CHEMISTRY and five years teaching experience, wants position as technical salesman or publicity man. If interested communicate with No. 9525, Bureau of Employment, of the Chemists Club (Agency) 52 E. 41st St., New York City.

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FOR SALE—50 tons Terra Alba Prime White. Sample will be furnished upon request. Box 215, DRUG & CHEMICAL MARKETS.

Drugs and Chemicals

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FOR SALE—2 Becker Balances, Table hand centrifuge, Brown recording thermometers, Thwing recording Pyrometers graduated 0 to 300 C, one 0 to 100 C. Hydrocarbon Chemical Co., Lancaster, Pa.

Miscellaneous

FOR SALE—Complete files of DRUG & CHEMICAL MARKETS, unbound, \$5.00 a volume.

ASK THE Bureau of Employment of the Chemists' Club (Agency) 53 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.



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from the Service Department of
DRUG & CHEMICAL MARKETS

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